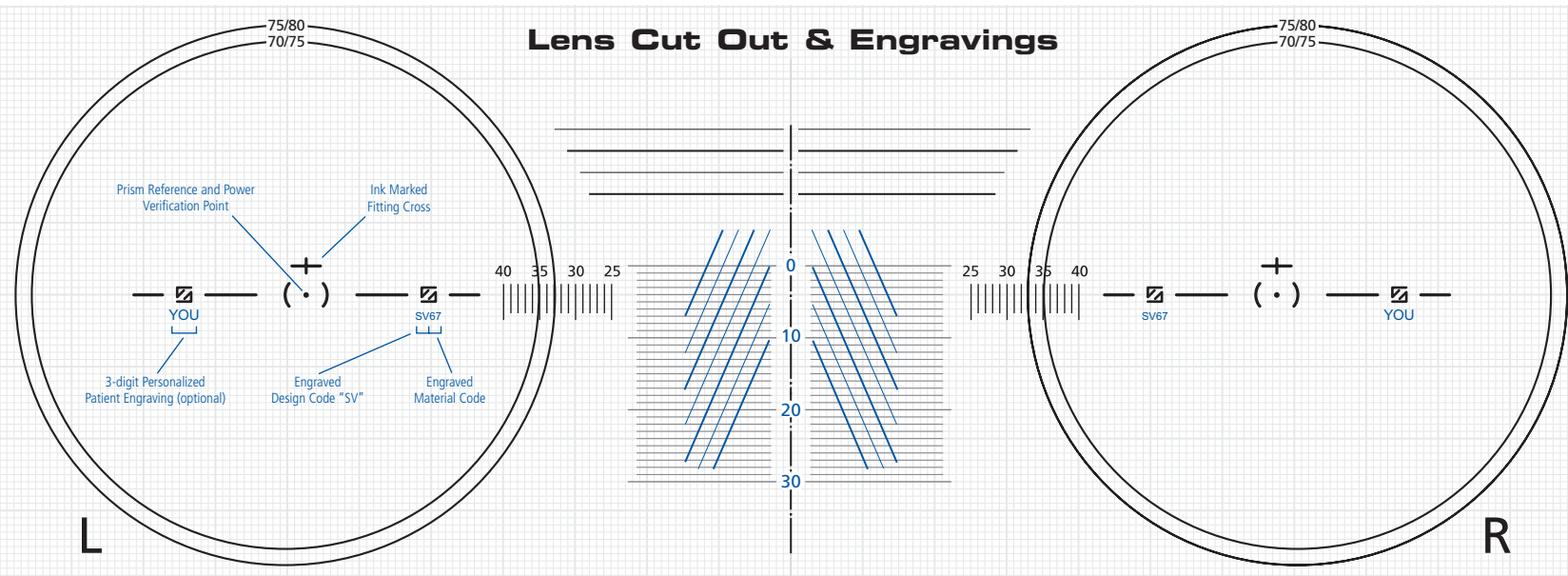


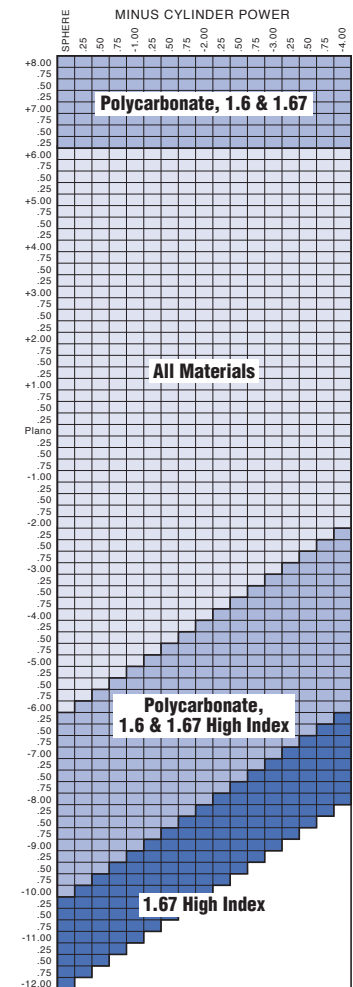
# Zeiss Individual™ Single Vision

## Fitting and Dispensing Guide – Manual Tools



### Lens Cut Out & Engravings

### Rx Range Availability



### Power Verification

Zeiss Individual™ single vision lenses are fully optically optimized for the lens aligned in the actual position of wear and personalized for the patients' unique combination of frame size, shape and fit. Consequently, powers (sphere, cyl, axis, prism) measured using a standard focimeter will differ slightly from the prescribed values because they are optically compensated.

- 1 Use the special Zeiss Individual™ single vision Rx verification form that ships with your Rx lens order to verify the compensated Rx using standard focimeter.
- 2 Check compensated Rx power at the prism reference point located 4 mm below the fitting cross and midway between the  $\boxtimes$  engravings.
- 3 Check for prism imbalance at the prism reference point, located 4 mm below the fitting cross.

### Material Codes

- 50 = Hard Resin clear, Transitions® VI, and Polarized
- 59 = Polycarbonate clear, Transitions® VI, and Polarized
- 60 = 1.60 High Index
- 67 = 1.67 High Index and Transitions® VI

### To Locate Lens Engravings

Use a good light source and dark background to locate the  $\boxtimes$  engravings. The engraved design and material code is below the nasal logo. The personalized patient engraving is below the temporal logo.

The  $\boxtimes$  engravings are located on the lens back surface, 34 mm apart or 17 mm to either side of the prism reference point. **Note the prism reference point is 4 mm below fitting cross.** Use a felt-tip pen to dot the center of each engraving.

Using the Zeiss Individual™ Lens Cut Out Chart (above), place the front surface of the lens over the ink markings, centering the dots within the corresponding engravings. Draw in the remaining markings with a felt-tip pen. A reusable Zeiss Individual™ single vision verification mask (part #000-0139-15620) is available from Carl Zeiss Vision.

### Zeiss Individual™ SV Availability

Material	Color	Diameter**	Rx Range*
1.50 Hard Resin		75/80	-6.00 to +6.00D
1.50 Transitions® VI	Gray/Brown	75/80	-6.00 to +6.00D
1.50 NuPolar® Polarized	Gray/Brown	70/75	-6.00 to +6.00D
1.59 Polycarbonate		72/77	-10.00 to +8.00D
1.59 Polycarbonate Transitions® VI	Gray/Brown	72/77	-10.00 to +8.00D
1.59 Polycarbonate NuPolar® Polarized	Gray/Brown	72/77	-10.00 to +8.00D
1.60 High Index		75/80	-10.00 to +8.00D
1.67 High Index		70/75	-12.00 to +8.00D
1.67 Transitions® VI	Gray/Brown	70/75	-12.00 to +8.00D

\* Cylinder powers out to -4.00 D

\*\* Please confirm diameter availability for minus power greater than -5.00D with your lab

### Dispensing Instructions

#### 1 VERIFY LENSES

- Completed lenses should have ink markings.
- If there are no ink markings, see how to locate the lens engravings (below left).
- The fitting cross should be at pupil center when eyeglasses are on the wearer.
- Check that the patient engraving matches the lens order.

#### 2 RE-CHECK FRAME ADJUSTMENTS

- Pantoscopic angle.
- Face form wrap angle.
- Back vertex distance.

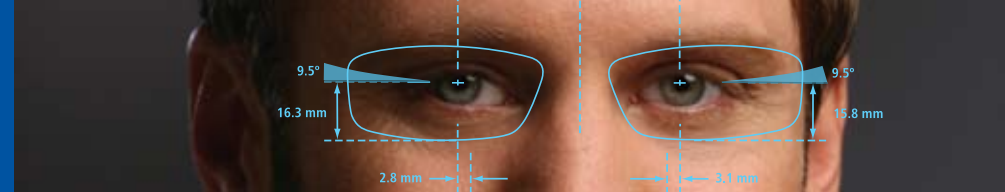
#### 3 PROVIDE CERTIFICATE OF AUTHENTICITY

- Deliver the Zeiss Individual™ Certificate of Authenticity with premium cleaning cloth.
- Demonstrate the location of their personalized patient engraving (below the temporal logo).



# Zeiss Individual™ Single Vision

## Fitting and Dispensing Guide – Manual Tools



### How to fit Zeiss Individual™ personalized lenses

There are three ways to specify and order Zeiss Individual™ lenses:

- use the manual fitting tools to take personalized fitting measurements
- use i.Terminal™ by ZEISS digital centration device to automatically and accurately take the personal measurements (automates steps 3 to 7)
- use the default values for panto, wrap and vertex in lieu of measurements

#### 1 FRAME SELECTION

For best vision and appearance, encourage the patient to choose a frame in which the eyes are well centered. Nose pads are preferred to allow fine-tuning of the adjustment. Frames should be lightweight to reduce slippage.

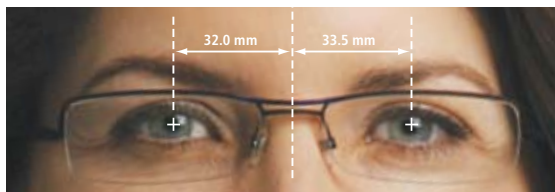
#### 2 PRE-ADJUST FRAME

The frame must be adjusted correctly before taking any measurements. Ensure the following:

- 7° to 12° pantoscopic angle is usual, however pantoscopic angles up to 30° can be specified
- Proper face form wrap, up to 15°
- Close frame fit (i.e., short vertex distance), without touching skin or eyelashes.

#### 3 MARK PUPIL CENTER AND MEASURE MONOCULAR PUPILLARY DISTANCES

With the patient looking straight ahead into the distance, dot each lens at the center of the pupil. Measure monocular distance PDs using a digital pupillometer or a PD ruler.



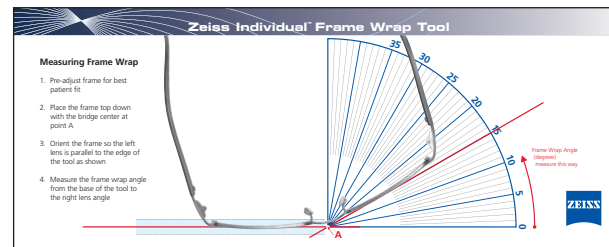
#### 4 DETERMINE FITTING HEIGHT

Using a PD ruler or the Zeiss Individual™ Lens Cut Out Chart (on the reverse side of this page), place the frame over the lens illustration with the dot over the fitting cross. Measure each monocular fitting

height from the fitting cross to the lowest point of the inside rim of the frame.

#### 5 MEASURE FRAME WRAP ANGLE

Using the Zeiss Individual™ Frame Wrap Tool (part #000-0139-14700), place the frame top down on the tool aligning bridge center and left lens as shown. Measure the frame wrap angle from the base of the tool to the right lens angle. **Zeiss Individual™ is suitable for frame wrap up to 15°.** If no frame wrap angle is specified in the lens order, an average value of 5° will be used.



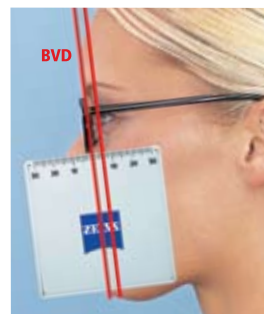
#### 6 PANTOSCOPIC TILT

With a pre-adjusted frame and the patient standing in profile looking straight ahead, use the Zeiss Individual™ Panto and Vertex Tool (part #000-0139-15450) to measure the pantoscopic tilt of the frame on their face. Place the vertical edge of the panto tool against the plane of the frame. The pendulum of the tool will automatically line up vertically and show the pantoscopic angle of the frame. **Zeiss Individual™ is suitable for pantoscopic tilt up to 30°.** If no pantoscopic tilt is specified in the lens order an average value of 9° will be used.



#### 7 BACK VERTEX DISTANCE

With the patient standing in profile, place the ruler edge of the Zeiss Individual™ Panto and Vertex Tool along the frame temple with the zero '0' at the lens plane, and measure the distance in millimeters from the back of the lens to the front



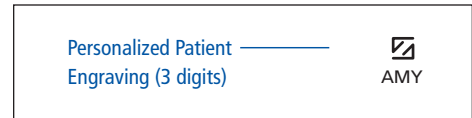
of the eye. **Zeiss Individual™ is suitable for vertex distances of up to 20mm.** If no vertex measurement is specified when ordering, then an average value of 12.0mm will be used.

#### 8 VERIFY CUT OUT

Use the Zeiss Individual™ Lens Cut Out Chart to ensure proper lens cut out. Place the right lens over the Lens Cut Out circle, aligning the pupil center dot over the fitting cross; repeat with left lens. If frame falls outside the lens diameter available, lenses may not cut out. Please verify by material.

#### 9 SPECIFY PERSONAL ENGRAVINGS

A three letter personalized patient engraving may be specified for Zeiss Individual™ lenses. Use this code for the patient's name or initials as a proof of lens personalization.



**Note: Due to the precise optical optimization of Zeiss Individual™ single vision, fitting height must be specified on all orders – including uncuts.**

### Zeiss Individual™ Accessories

Item	Part Number
Frame Wrap Tool	000-0139-14700
Panto and Vertex Tool	000-0139-15450
Single Vision Verification Mask	000-0139-15620
i.Terminal™ Reference Guide	000-0139-15180

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Questions? Call the Carl Zeiss Vision Technical Service Hotline at  
**800-358-8258** press 3