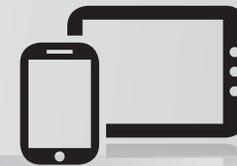


ZEISS DIGITAL LENS

Fitting and Dispensing Guide & Lens Engravings



To be used for ZEISS Digital Lens only.

Fitting ZEISS Digital Lens

1 SELECT LENS

ZEISS Digital Lens is fitted like a progressive lens. ZEISS Digital Lens is available in 4 add powers, ranging from +0.50D to +1.25D. The appropriate add power should be determined by a near refraction.

2 SELECT FRAME

For best vision and appearance, encourage the patient to choose a frame in which the eyes are well centered and with a "B" dimension of 21mm or larger for ZEISS Digital Lens.

3 PRE-ADJUST FRAME

- Frame should have pantoscopic tilt of 7° to 12° to maximize reading utility.
- Frame should have face-form wrap that follows the contour of the face to maximize peripheral vision.
- Frame should have a close fit (vertex distance) without touching skin or eyelashes to maximize fields of view.

4 MEASURE FITTING HEIGHT

With the patient looking straight ahead into the distance, in natural posture, dot each lens at the center of the pupil. Measure monocular fitting heights with a PD ruler or the scale on the reverse side. ZEISS Digital Lens has a variable corridor length.

Recommended minimum fitting height is 13mm

5 MEASURE PUPILLARY DISTANCE

Use a pupillometer to measure monocular distance PDs.

6 VERIFY CUT OUT

Place the right lens over the appropriate *Lens Cut Out* circle on the back side of this piece, aligning the pupil center dot over the fitting cross. If frame falls outside of the available cut-out diameter of the lens blank, the lens may not cut out. Repeat with left lens.

Helpful Hints for Fitting ZEISS Digital Lens

- Avoid aviator frame styles; the nasal sweep reduces the reading area and the frame will often not cut out.
- Frame should be lightweight to reduce slipping; nose-pads are preferred to allow for fine-tuning of adjustment.
- While fitting, the patient should assume a natural posture with eyes at the same level as yours to reduce parallax.

Fitting ZEISS Digital Lens Sport

- 1 For "wrap" sunwear, select ZEISS Digital Lens Sport, specifically designed for steeply curved frames with high face-form wrap.
- 2 Measure the face-form wrap angle of the frame, from 0° to 25°; if no value is supplied, a default angle of 15° will be assumed.

Dispensing ZEISS Digital Lens

1 VERIFY LENSES

- A compensated prescription form should be supplied with ZEISS Digital Lens, which provides important lens verification details.
- Locate the lens engravings, and replace lens markings using the centration chart or apply the ZEISS Digital Lens verification mask.
- Verify the compensated distance Rx power, add power, and prism at the measurement points of each lens.
- The fitting cross of each lens should be positioned at pupil center when eyeglasses are on the wearer.
- If necessary, use alcohol or other residue-free solvent to remove factory ink markings, once lens centration has been verified.

2 RE-CHECK THE FRAME ADJUSTMENT

- Pantoscopic angle
- Face-form wrap
- Minimum vertex distance

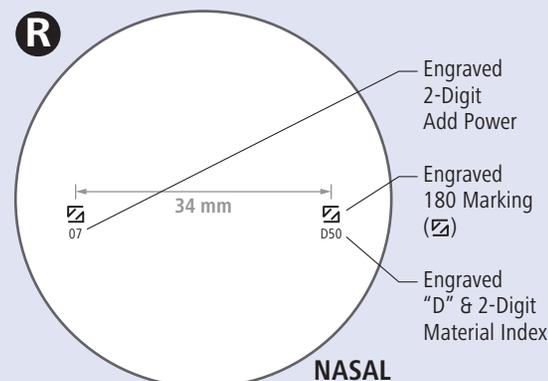
3 SHOW PATIENT HOW TO USE LENSES

- Extent of the visual fields
- Transition between distance, intermediate, and near zones
- Proper side-to-side head movement for peripheral viewing

To Locate the Lens Engravings

- The alignment reference markings (logos) are engraved onto the back lens surface, 34mm apart or 17mm to either side of the prism reference point. The engraved 2-digit (abbreviated) add power is below the temporal logo and the engraved design code ("D") and 2-digit material index is located below the nasal logo.
- Use a good light source and dark background to locate the engravings on the back surface. Use a felt-tip pen to dot the center of each engraving. Place the front surface of the lens over the Lens Cut Out chart, aligning both dots with the corresponding engravings. Draw in the remaining markings, if needed.

ZEISS Digital Lens Engravings



Lens Design Code:

D

Material Index Codes:

50 = 1.50 Hard Resin
53 = 1.53 Trivex®
59 = 1.59 Polycarbonate
60 = 1.60 High Index
67 = 1.67 High Index
74 = 1.74 High Index

Temporal Engravings:



Nasal Engravings:



= Digital Lens in 1.50 Hard Resin with +0.75D Add Power



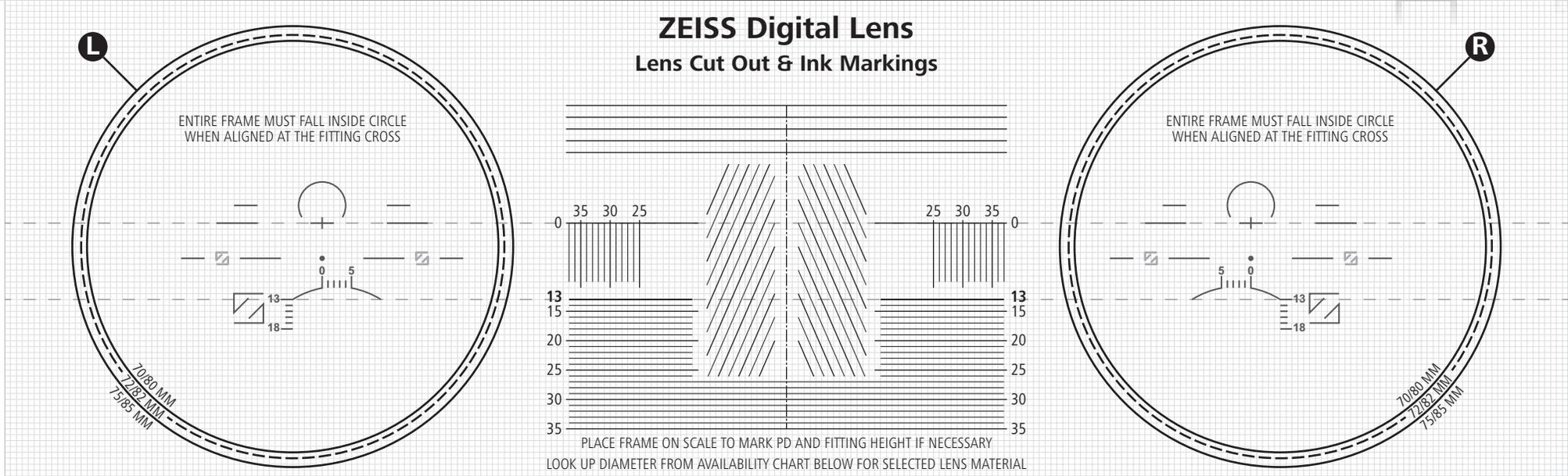
We make it visible.

ZEISS DIGITAL LENS

Lens Cut Out, Ink Markings & Lens Availability Charts



To be used for ZEISS Digital Lens only.



ZEISS Digital Lens Availability Information

LENS MATERIAL	COLOR	DIAM*	RX RANGE**	CYL TO	ADD RANGE
1.50 Hard Resin	Clear	75/85	-7.00 to +5.00	-4.00	+0.50 to +1.25
1.50 Hard Resin PhotoFusion®	Gray & Brown	75/85	-7.00 to +5.00	-4.00	+0.50 to +1.25
1.50 Hard Resin Transitions®	Gray, Brown, Vantage™	75/85	-7.00 to +5.00	-4.00	+0.50 to +1.25
1.50 Hard Resin Polarized	Gray & Brown	70/80	-6.00 to +5.00	-4.00	+0.50 to +1.25
1.53 Trivex®	Clear, NXT sun tints, Mirrors	72/82	-7.00 to +5.00	-4.00	+0.50 to +1.25
1.53 Trivex Transitions®	Gray & Transitions	72/82	-7.00 to +5.00	-4.00	+0.50 to +1.25
1.53 Trivex NXT® Polarized	Gray & Brown	72/82	-5.00 to +5.00	-4.00	+0.50 to +1.25
1.53 Trivex NXT Photochromic	NXT sun tints	72/82	-7.00 to +5.00	-4.00	+0.50 to +1.25
1.53 Trivex NXT Photo Polarized	Gray & Brown	72/82	-5.00 to +5.00	-4.00	+0.50 to +1.25
1.59 Polycarbonate	Clear	72/82	-10.00 to +6.00	-4.00	+0.50 to +1.25
1.59 Polycarbonate PhotoFusion	Gray & Brown	72/82	-10.00 to +6.00	-4.00	+0.50 to +1.25
1.59 Polycarbonate Transitions®	Gray, Brown, XTRActive®, Vantage™	72/82	-10.00 to +6.00	-4.00	+0.50 to +1.25
1.59 Polycarbonate Polarized	Gray & Brown	72/82	-10.00 to +6.00	-4.00	+0.50 to +1.25
1.60 High Index	Clear	75/85	-10.00 to +6.00	-6.00	+0.50 to +1.25
1.60 PhotoFusion (Canada Only)	Gray & Brown	75/85	-10.00 to +6.00	-6.00	+0.50 to +1.25
1.60 Transitions® (Canada Only)	Gray & Brown	75/85	-10.00 to +6.00	-4.00	+0.50 to +1.25
1.60 Polarized*** (Canada Only)	Gray, Brown & G15	75/85	-10.00 to +6.00	-4.00	+0.50 to +1.25
1.67 High Index	Clear	70/80	-12.00 to +8.00	-6.00	+0.50 to +1.25
1.67 High Index PhotoFusion	Gray & Brown	70/80	-12.00 to +8.00	-6.00	+0.50 to +1.25
1.67 High Index Transitions®	Gray, Brown, XTRActive®	70/80	-12.00 to +8.00	-4.00	+0.50 to +1.25
1.74 Super High Index	Clear	Varies	-14.00 to +9.00	-6.00	+0.50 to +1.25

* Physical blank size / effective blank size with 5 mm of blank decentration.
 ** Strongest plus sphere power and combined minus sphere and cylinder power.

***Available summer 2014.

ZEISS Digital Lens Sport Availability Information

LENS MATERIAL	COLOR	DIAM*	RX RANGE**	CYL TO	ADD RANGE
1.50 Hard Resin	Clear	75/85	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.50 Hard Resin PhotoFusion®	Gray & Brown	75/85	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.50 Hard Resin Transitions®	Gray & Brown	75/85	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.50 Hard Resin Polarized	Gray & Brown	70/80	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.53 Trivex®	Clear, NXT sun tints, Mirrors	72/82	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.53 Trivex Transitions®	Gray & Brown	72/82	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.53 Trivex NXT® Polarized	Gray & Brown	72/82	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.53 Trivex NXT Photochromic	NXT sun tints	72/82	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.53 Trivex NXT Photo Polarized	Gray & Brown	72/82	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.59 Polycarbonate	Clear	72/82	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.59 Polycarbonate PhotoFusion	Gray & Brown	72/82	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.59 Polycarbonate Transitions®	Gray & Brown	72/82	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.59 Polycarbonate Polarized	Gray & Brown	72/82	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.60 High Index	Clear	75/85	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.60 High Index PhotoFusion (Canada Only)	Gray & Brown	75/85	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.60 High Index Transitions (Canada Only)	Gray & Brown	75/85	-4.00 to +4.00	-4.00	+0.50 to +1.25
1.60 Polarized*** (Canada Only)	Gray, Brown & G15	75/85	-4.00 to +4.00	-4.00	+0.50 to +1.25

Questions? Call the Carl Zeiss Vision Technical Service Hotline at **USA: 800-358-8258** press 3
Canada: 800-268-6489



We make it visible.