SOLA HDV

Fitting & Dispensing Guide

To be used with SOLA HDV only.

Fitting SOLA HDV Customized Lenses

1. **Frame Selection:** 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 21 mm or larger. Nose pads are preferred to allow fine-tuning. Frames should be lightweight to reduce slipping.

2. **Frame Adjustment:** The frame must be adjusted correctly prior to taking any measurements. Ensure the following:

   - 8° to 12° pantoscopic angle.
   - Proper face form wrap.
   - Close frame fit (i.e., short vertex distance), without touching skin or eyelashes.

3. **Mark Pupil Center:** With the patient looking straight ahead into the distance, dot each lens at the center of the pupil. Measure fitting heights with a PD ruler or using the guide below.

4. **Determine Fitting Height:** Place the frame over the lens illustration with the dot over the fitting cross. Determine the most suitable fitting height by choosing the **Fitting Height Indicator** at the lowest point of the inside rim of the frame. **SOLA HDV is suitable for fitting heights 13 mm to 35 mm.**

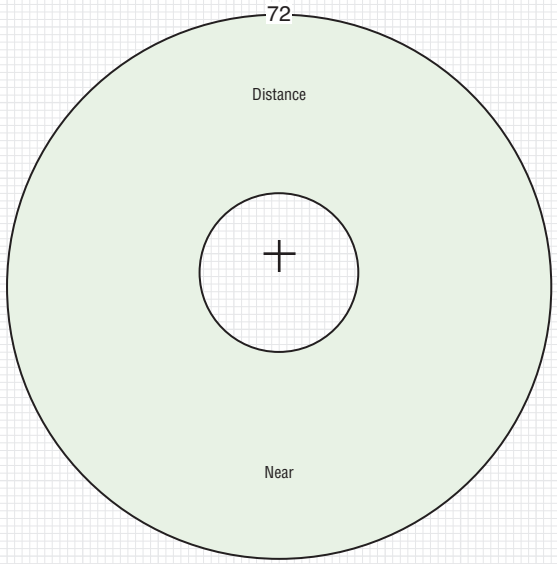
Note: Due to the variable corridor length design of SOLA HDV Fitting Height must be specified on all orders – including uncuts.

5. **Pupillary Distance:** Use a pupillometer to measure monocular distance PDs.

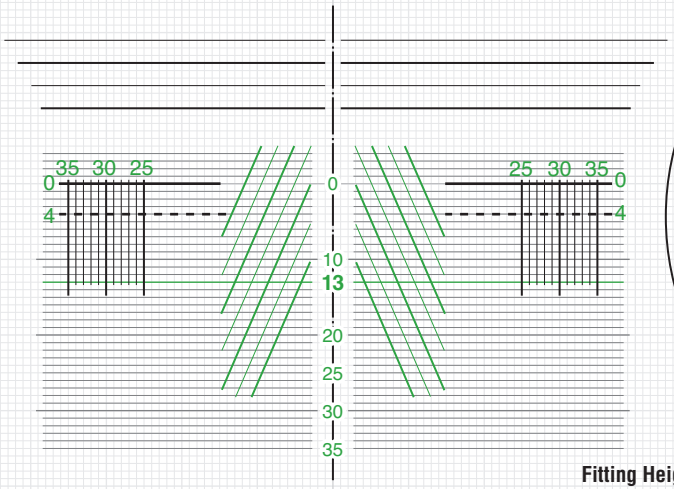
6. **Verify Cut Out:** Use the Cut Out Guide to ensure lens fit. Place the right lens over the Lens Cut Out circle, aligning the pupil center dot over the fitting cross; repeat with left lens. **Frame size is adequate if white circle fits inside the frame.** If frame falls outside of the 72 mm lens diameter available, lenses may not cut out.

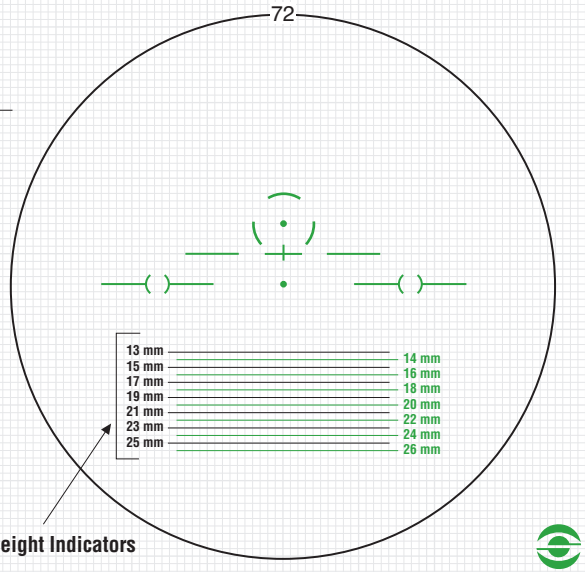
Note: The fitting cross for SOLA HDV progressives is 4 mm above the prism reference point.

Frame and Lens Cut Out



Fitting Height Guide





Fitting Height Indicators

SOLA

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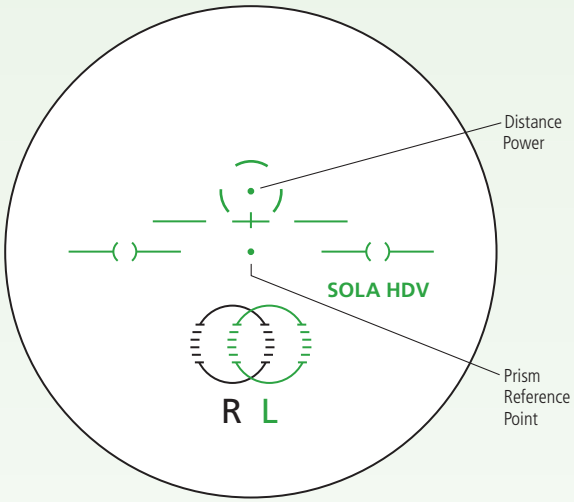
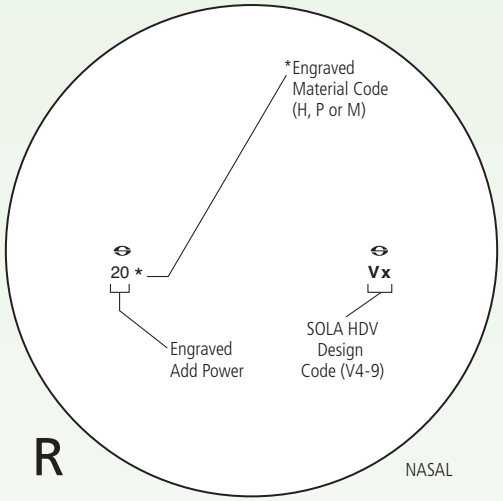
Ink Markings (As viewed from the back)



Lens Engravings (As viewed from the front)



Power Verification

SOLA HDV lenses are fully optically optimized for the lens aligned in the actual position of wear. Consequently, powers (sphere, cyl, axis, add, prism) measured using a standard focimeter will differ slightly from the prescribed values.

1. Use the SOLA HDV Rx verification form that ships with your Rx lens order to verify the compensated Rx focimeter measurements.
2. Check compensated distance power through the center of the distance checking circle.
3. Check for prism imbalance at the prism reference point, located 4 mm below the fitting cross.
4. Check add power by verifying that the semi-visible add engraving under the temporal logo matches the first two digits of the prescribed add.

Material Code

H = Hard Resin, Transitions® and Polarized
P = Polycarbonate, Transitions® and Polarized
F = 1.6 High Index and Transitions®
M = 1.67 High Index and Transitions®

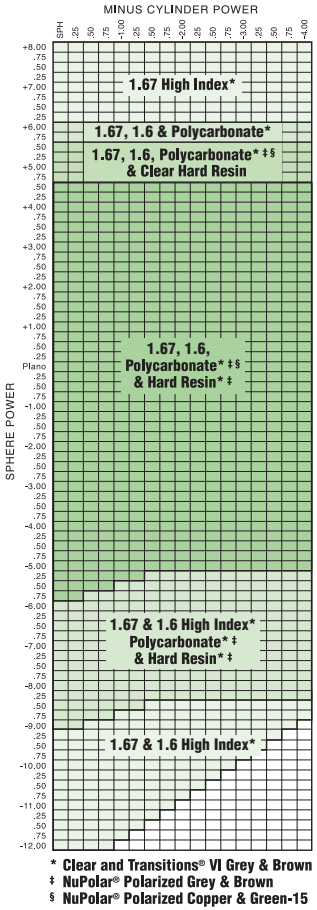
To Locate the Lens Engravings

Use a good light source and dark background to locate the engravings. The engraved add power/material code is below the temporal logo. The engraved design and fit height codes are below the nasal logo.

The engravings are located on the lens surface, 34 mm apart or 17 mm to either side of the prism reference point (at the geometric center). Use a felt-tip pen to dot the center of the engraving.

Place the front surface of the lens over the ink markings, centering the dots within the corresponding brackets. Draw in the remaining markings with a felt-tip pen. A reusable verification mask (part #000-0139-14190) is available from Carl Zeiss Vision.

Rx Lens Availability



* Clear and Transitions® VI Grey & Brown
‡ NuPolar® Polarized Grey & Brown
§ NuPolar® Polarized Copper & Green-15

Dispensing SOLA HDV

1. **Verify Lenses:**
   - Completed lenses should have verification markings.
   - If there are no markings, see how to locate the lens engravings to the left.
   - The fitting cross should be at pupil center when eyeglasses are on the wearer.
   - If necessary, use alcohol or other residue-free solvent to remove factory markings.
2. **Re-Check the Frame Adjustments:**
   - Pantoscopic angle.
   - Face form wrap.
   - Minimum vertex distance.
3. **Show Patients How to Use Lenses:**
   - The extent of the visual fields.
   - The transition between distance, intermediate and near zones.
   - Proper side-to-side head movement for peripheral viewing.

Questions?

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

MATERIAL	COLOUR	DIAM	Rx RANGE	ADD POWERS
1.67 High Index		72 mm	-12.00 to +8.00 D, cyl to -4.00	0.75 to 3.50
1.67 High Index Transitions®	Grey, Brown	72 mm	-12.00 to +8.00 D, cyl to -4.00	0.75 to 3.50
1.6 High Index		72 mm	-12.00 to +6.00 D, cyl to -4.00	0.75 to 3.50
1.6 High Index Transitions®	Grey	72 mm	-12.00 to +6.00 D, cyl to -4.00	0.75 to 3.50
1.59 Polycarbonate		72 mm	-9.00 to +6.00 D, cyl to -4.00	0.75 to 3.50
1.59 Polycarbonate Transitions®	Grey, Brown	72 mm	-9.00 to +6.00 D, cyl to -4.00	0.75 to 3.50
1.59 Polycarbonate NuPolar® Polarized	Grey, Brown	76 mm	-9.00 to +5.50 D, cyl to -4.00	0.75 to 3.50
1.59 Polycarbonate NuPolar® Polarized	Copper, Green-15	76 mm	-5.75 to +5.50 D, cyl to -4.00	0.75 to 3.50
1.5 Hard Resin		76 mm	-9.00 to +5.50 D, cyl to -4.00	0.75 to 3.50
1.5 Hard Resin Transitions®	Grey, Brown	72 mm	-9.00 to +4.50 D, cyl to -4.00	0.75 to 3.50
1.5 Hard Resin NuPolar® Polarized	Grey, Brown	70 mm	-9.00 to +4.50 D, cyl to -4.00	0.75 to 3.50

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