

SEIKO

Single-Vision 1.67 Super SV Lenses

- Patented MX Aspheric Low-Base Design with 10mm Spherical Fitting Button
- Advanced MR-10 Resin, Ideal for Drill-Mounted Eyewear
- Available in Clear Double Hardcoat, Transitions® VI Gray & Brown and Super SV AR with Superclean Super Hydro Topcoat
- Finished and Semi-Finished Largest 1.67 Product Availability



SEIKO

- **Finished 1.67 Super SV**
Double Hardcoat (DHC) Protection
Fast, Consistent Tinting
1.0mm CT (Minus); 1.0mm ET (Plus)
All Plus Diameters 65mm
- **Finished 1.67 Super SV AR**
Index-matched coatings
SuperClean topcoat
- **Semi-Finished 1.67 Super SVs**
Available in Clear and
Transitions® VI Gray & Brown
Durable Hardcoat Protection
Uncoated also Available



Seiko finished and semi-finished 1.67 Super SV lenses are the most technologically advanced single vision lenses available. They are based on Seiko's dual-patented MX aspheric low-base design, and manufactured using high index MR-10 resin. MR-10 is less sensitive to heat and does not readily contract or expand—factors that can lead to warping and coating deterioration. The manufacturing process uses individually surfaced production molds utilizing Seiko's digitally precise Free-From optical technology.

The patented MX design incorporates a 10mm spherical fitting "button" in the center of the lens. This button eliminates aspheric fitting problems, making patient accommodation practically automatic. The design perfects optics throughout the entire lens, and corrects the

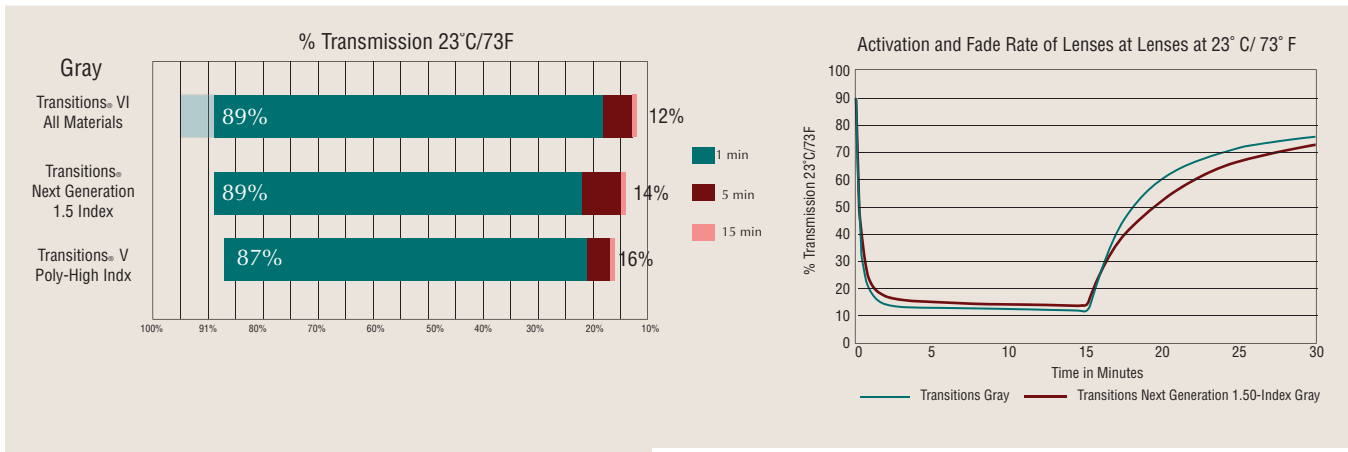
three primary aberrations in lenses—power error, marginal astigmatism, and distortion—while reducing chromatic aberration.

Seiko finished 1.67 Super SV lenses feature true 1.0mm dimple-free center thickness (-2.00 and above). They are hard coated with an exclusive double hardcoat (DHC) protection system that provides the safest 1.67 lenses available, even with 1.0mm centers. Seiko's DHC not only offers excellent durability and scratch protection, it also tints fast and consistently, and can be custom coated with any quality AR coating.

Seiko finished 1.67 Super SV AR lenses are factory coated with a 16-layer high-impact AR process and new SuperClean hydrophobic/oleophobic topcoat. This coating system is index-matched to the lens to

eliminate rainbow reflections (fringe interference) often seen with other AR coatings. To help prevent slipping during the edging process, place a sticker designed for hydrophobic coatings between the pad and lens.

Seiko semi-finished lenses are made from 16 extra-thick blanks to provide the largest product range available. Semi-finished lenses are available clear hard-coated and in Transitions® VI Gray and Brown. This advanced photochromic technology gets darker in hotter temperatures, gets darker faster, and fades back to clear faster than ever before. Seiko 1.67 Super SV with Transitions lenses include durable hardcoat protection, as well as 100% UV-A and UV-B protection.



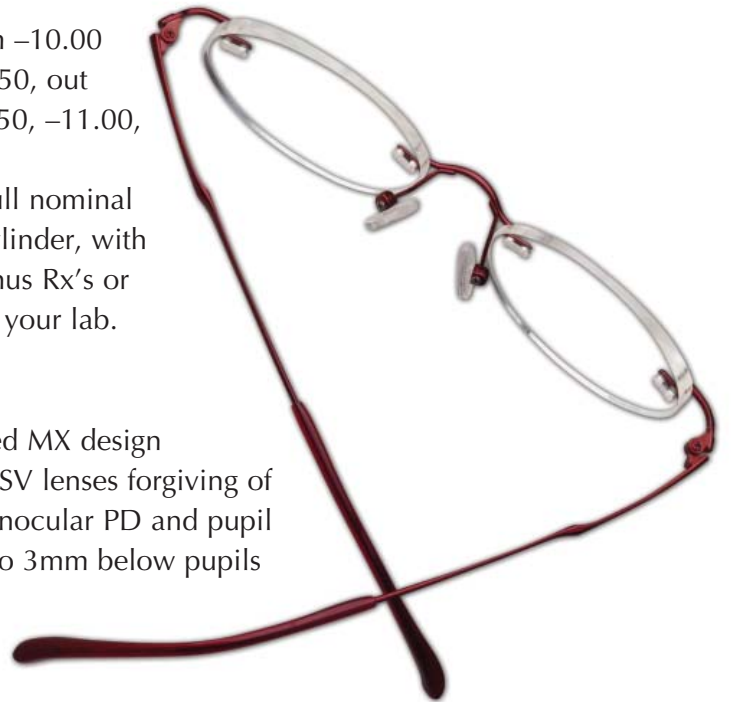
Largest Product Range

Finished 1.67 Super SV lenses are available from -10.00 to +6.00 (out to a -2.00 cylinder), and plano to -7.50, out to a -3.00 cylinder, with additional spheres at -10.50, -11.00, -11.50, & -12.00.

Semi-finished lenses can be processed to their full nominal diameters from +10.00 to -15.00, out to a -6.00 cylinder, with a total power of -15.00 diopters. Certain higher minus Rx's or cylinders beyond -6.00 may be processed. Consult your lab.

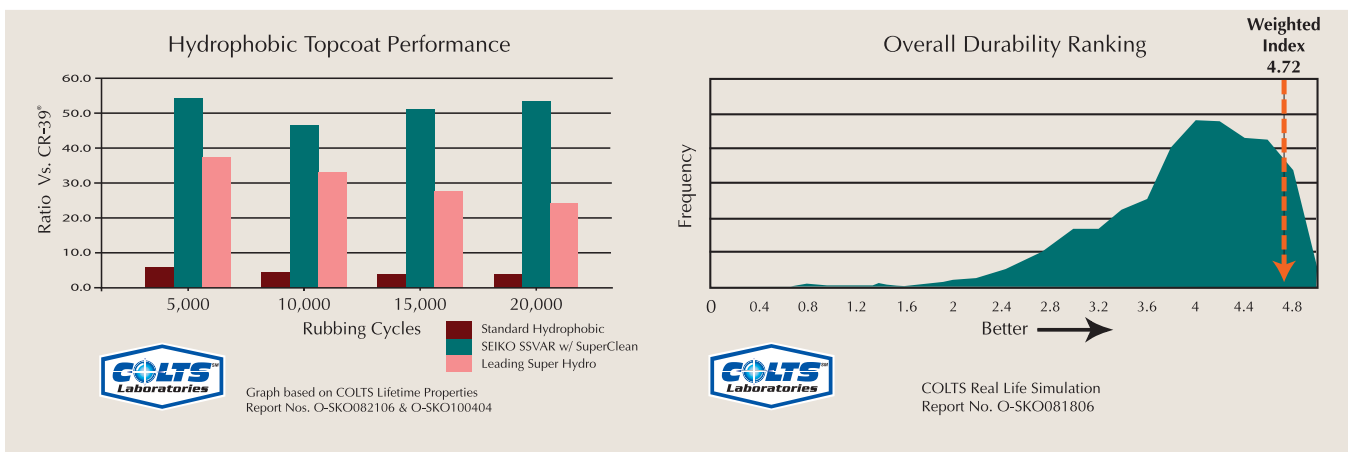
Easy to Fit

Unlike conventional aspheric lenses, the patented MX design and spherical fitting button make Seiko 1.67 Super SV lenses forgiving of marginal fitting errors. For best results, measure monocular PD and pupil heights, and ensure the optical centers are fitted 1 to 3mm below pupils and that pantoscopic tilt is between 2 and 4°.



Fast, Consistent Tinting

All high-index lenses are sensitive to temperatures above 175°F. To achieve the best results for a sunglass tint, and maintain lens-center integrity, we suggest that you lower your normal dye pot temperature, or submerge the lenses in tint solution for no more than three-minute intervals, with cooling time in between. Transitions lenses cannot be tinted, however, they can be AR coated by quality custom AR coating labs.



Graph based on COLTS Lifetime Properties
Report Nos. O-SKO082106 & O-SKO100404



COLTS Real Life Simulation
Report No. O-SKO081806

Specifications



Micro-Engraving:

Material: Super high-index MR-10 resin¹

Softening Point: Less heat sensitive¹

Refractive Index: 1.67

UV Cutoff: 380nm

Density (g/cm³): 1.36

Safety: Most impact resistant²
Significantly exceeds FDA standards (finished)

Strength: Ideal for drill mounting²

ABBE Number: 32

Design: Patented MX aspheric low-base design with 10mm spherical fitting button²

Center Thickness: 1.0mm (on finished -2.00 and higher)

Edge Thickness: 1.0mm (on finished plus)

Clear Diacoat Product

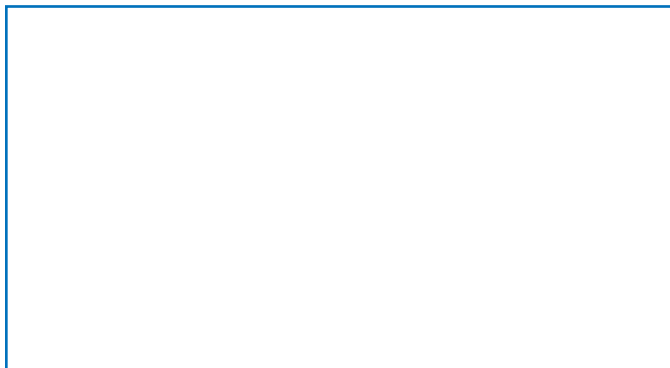
Light Transmittance: 91% (99% w/ custom AR)

Coating: High-impact double hardcoat² consisting of a shock absorbing primer coat and scratch-resistant hardcoat; provides fast, consistent tinting

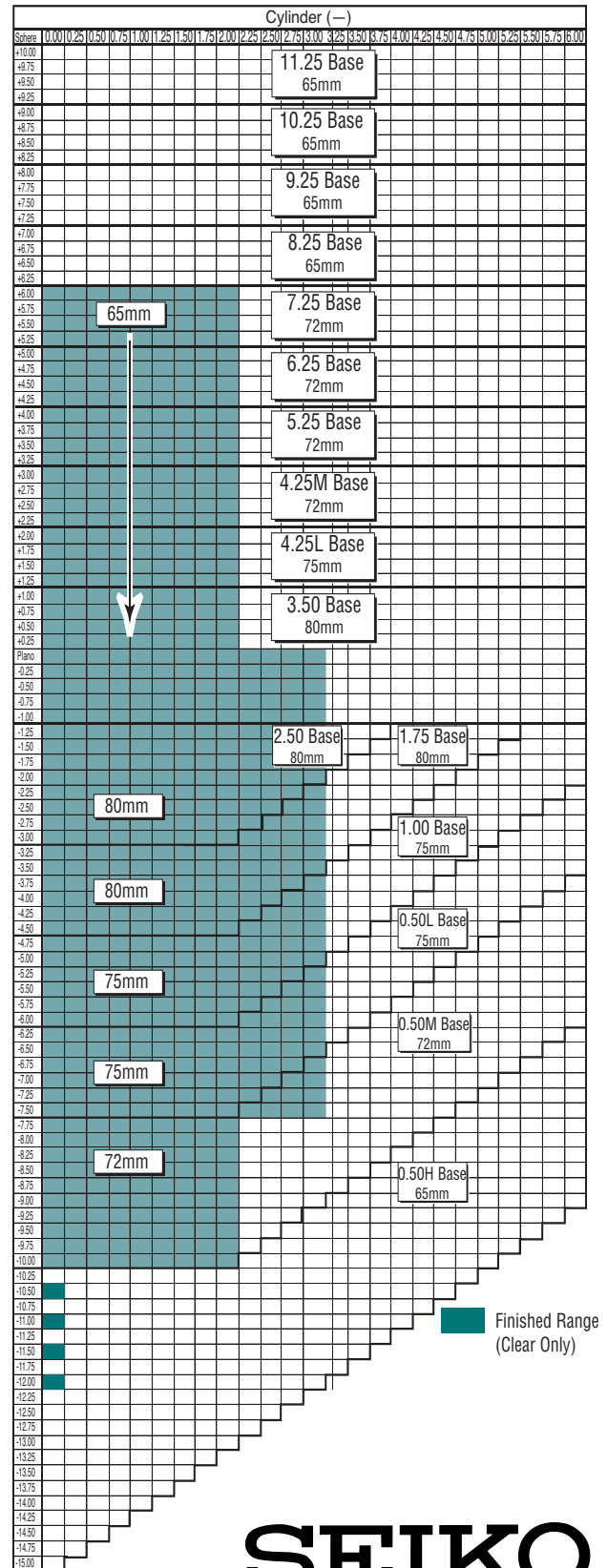
¹ More stable, less heat sensitive, and easier to process than conventional (MR-7) resin.

- Tensile Strength—50% stronger than polycarbonate. Three times stronger than plastic.
- Flexural Strength—Twice that of polycarbonate.

² Exceeds all other 1.66/1.67 lens products.



Availability & Production Range



For more information, contact your Authorized Seiko Distributor, or Seiko Optical Products of America, Inc.
1-800-235-5367

www.seikoeyewear.com