

# SEIKO

CREATING THE BEST VISION

## Super MV™ 1.67

The world's most advanced free-form single vision lenses

### Redefining Visual Excitement

- Thinner and lighter with flatter curves on both sides. Comparable to 1.74 index lenses.
- Back surface free-form compensation virtually eliminates power error, distortion and marginal astigmatism.
- Improved optics over all other single vision lenses with the widest peripheral vision.
- Ideal for difficult Rx's, especially high cylinder.

SEIKO

The world's first double-sided aspheric design technology from SEIKO provides the highest optical performance in a lens that is lighter, thinner and more comfortable than conventional spherical and aspheric designs.

Introducing Seiko Super MV 1.67, the world's first 1.67 high index double-sided aspheric single-vision lens from Seiko Optical, the leader in high index lens design.

Seiko Super MV 1.67 (MaxVue) lenses take advantage of the latest in free-form lens technology to create the highest standard in terms of optical performance, thickness, lightness and comfort.

Seiko's double aspheric design creates a thinner and lighter lens, with flatter curves on both sides.

Super MV's unique combination of low base curve and concave free-form aspheric design compensates for distortion, peripheral power error and astigmatic aberration in a balanced manner. The result is exceptional clarity of vision throughout the entire lens, with a significant improvement in the effective viewing area of the lens, especially in prescriptions with high cylinder.

Seiko Super MV lenses provide standard aspheric compensation on the front surface, which includes a Seiko-exclusive 10mm spherical

fitting button in the lens center for instant patient accommodation. The free-form back surface provides precise secondary aspheric/atomic compensation for each individual prescription. The result is exceptionally wide peripheral vision with stable, comfortable vision throughout the entire lens.

Super MV is available from +6.00 to -10.00, out to a -5.00 cylinder (total power of -10.00 diopters), with up to 3 diopters of prism.

Spherical  
No aspheric compensation.

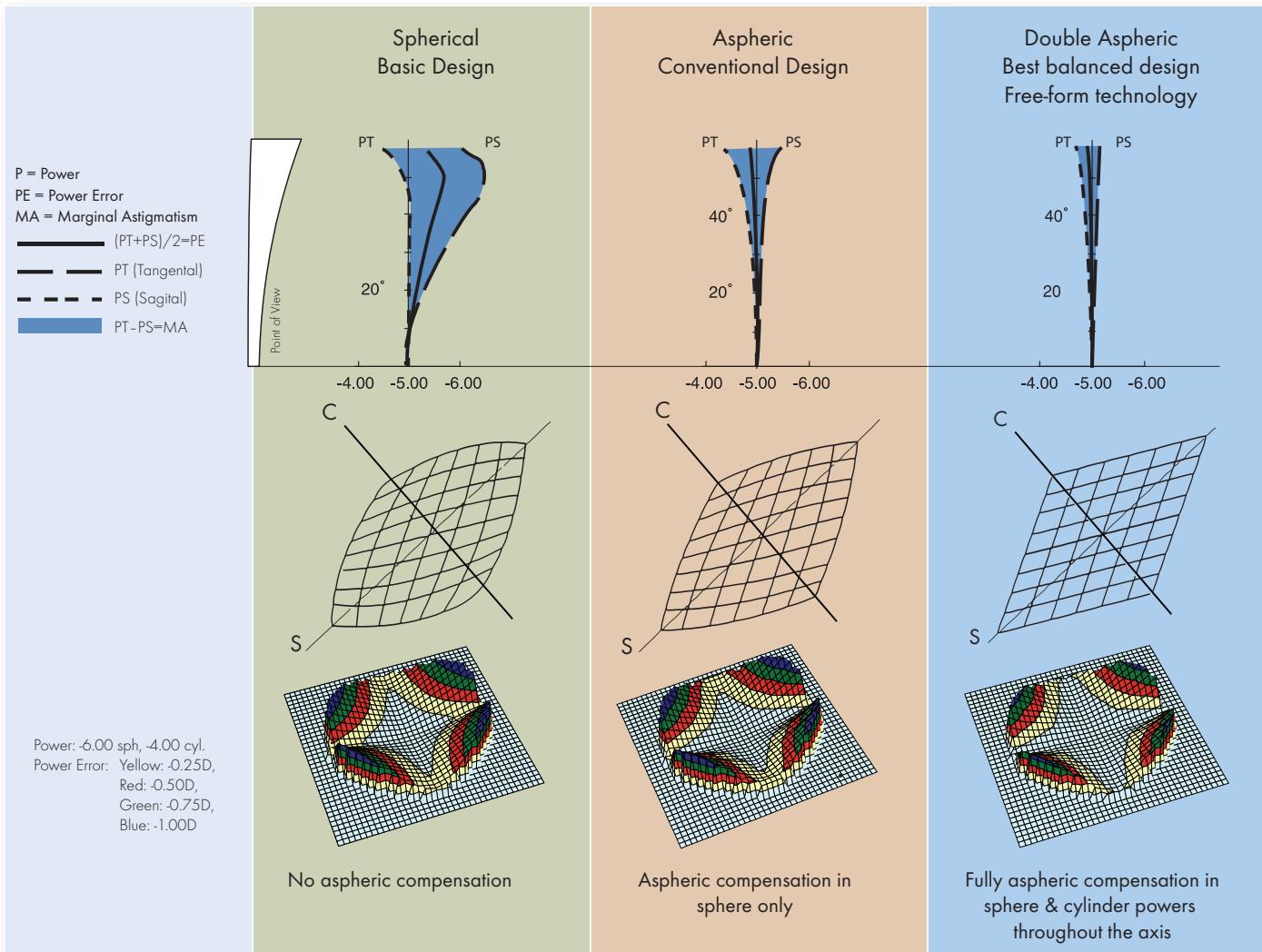


Conventional Aspheric  
Aspheric compensation in the spherical power only.



Super MV Double Aspheric  
Aspheric compensation in the sphere power and throughout the cylinder power.

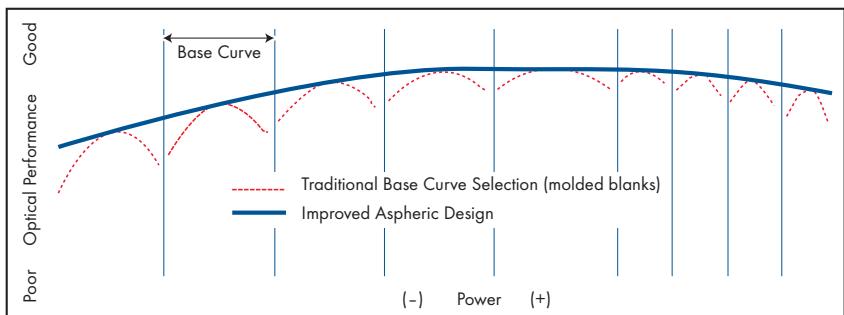




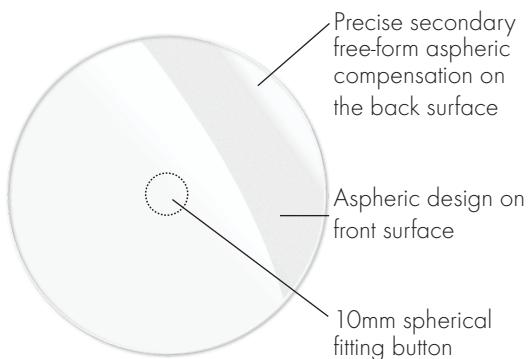
In a spherical lens design, power errors are increased in the peripheral area of the lens. The effective viewing range is therefore considerably limited. Spherical lenses are also thicker and heavier.

In aspheric lens design, the aspheric front surface controls astigmatism and power error in the spherical power, resulting in wider peripheral areas. Aspheric lenses are thinner and lighter than spherical lenses.

In Super MV lenses, power error and marginal astigmatism in the peripheral areas of the lens are optimized in the spherical and cylinder powers, significantly improving the effective viewing range.



Traditional base curve design is optimized for a single Rx. Seiko MV design provides optimal performance for each and every prescription.



# SEIKO

## Specifications

**Micro-Engraving:** (S)

**Material:** Super high-index MR-10 resin<sup>1</sup>

**Softening Point:** Less heat sensitive<sup>1</sup>

**Refractive Index:** 1.67

**UV Cutoff:** 380nm

**Density (g/cm<sup>3</sup>):** 1.36

**Safety:** Most impact resistant<sup>2</sup>

Significantly exceeds FDA standards (finished)

**Strength:** Ideal for drill mounting<sup>2</sup>

**ABBE Number:** 32

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

**Coating:** High-impact double hardcoat<sup>2</sup> consisting of a shock absorbing primer coat and scratch-resistant hardcoat; provides fast, consistent tinting

<sup>1</sup> 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.

Exceeds all other 1.66/1.67 lens products.

## Production Range

Cylinder (-)

Sphere	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00
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[www.seikoeyewear.com](http://www.seikoeyewear.com)

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

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