



Product Guide

PERFAS

Custom made
for the way you
view the world

Patented 100% Back
Surface Progressive
Addition Lenses

SEIKO PENTAX
SEIKO Optical Products of America, Inc.

PERFAS



Custom Made For The Way You View The World

Seiko Optical Products is proud to offer the very latest in the free-form digital surfacing revolution, with Perfás 100% back-surface progressive addition lenses.

Perfás lenses represent the cutting edge of digitally surfaced free-form progressive lenses, utilizing patented 100% back-surface technology. This advanced technology provides a visual experience that is simply unmatched by conventional progressive lenses.

All the elements of the progressive prescription—sphere, cylinder, axis, add power and prism—are placed on the back surface of the lens, customizing every Rx to the patient's exact visual requirements. This means that for each sphere, cylinder, axis, add power and prism, the patient receives a truly customized lens with an exact near, intermediate and distance Rx.

Outstanding Optical Performance

Placing 100% of the prescription on the back surface provides features and benefits that cannot be realized by conventional PAL designs.

The perfect spherical convex surface on Perfás eliminates all the front surface distortion found in conventional PAL lenses.

This “swim & sway” distortion is caused by the significant changes in front-surface curvature and optical magnification among the visual zones, and is a primary reason for non-adapt.

The Perfás back-surface design also expands all the visual fields. Similar to looking through an old door lock, the closer your eye gets to the key hole, the more of the next room you can see. This principle gives Perfás lenses distance, intermediate and reading zones that are much wider than conventional progressive lens designs.



A wide range of treatment and coating options are also available. These include Transitions® for healthy sight in every light, polarized glare-reducing sun wear, and our own Surpass® ECP Super hydro AR, providing sharper vision, better night driving and improved cosmetics.


Surpass® ECP

Perfas Prime

Perfas Prime is the perfect choice for value conscious and new PAL wearers because its super soft design works well for general everyday life activities. It complements both indoor and outdoor lifestyles. It is especially well tolerated by patients who have difficulty adapting to conventional PALs.

Perfas Prime lenses provide all the advantages of back-surface design, including the elimination of front-curve distortion and wider visual zones. Prime offers balanced, stable vision, maximum control of off-center astigmatism and power error, with wide clear zones for reading, intermediate and distance. It is recommended for prescriptions with low-to medium add powers (up to +2.00 diopters).

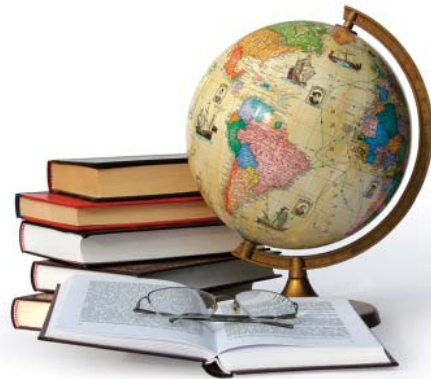
Perfas Prime is available in 3 corridor lengths (12/14/16mm), with a minimum fitting height of 16mm.

Perfas Premier

Perfas Premier uses an advanced blended soft design best suited for ultra-sensitive PAL wearers and difficult prescriptions with low to medium add powers (up to +2.00 diopters).

The visual fields of Perfas Premier lenses are expanded up to 30% over conventional progressive lens designs. The design incorporates **measured power** in the intermediate and near zones. Measured power, based on Pentax **Retina Forward**[®] design, is a unique technology that adjusts the surface power of the lens for optimum performance in the as-worn position. Measured power reduces astigmatism and power error caused by variations in pantoscopic tilt and vertex distance due to eye rotation.

Perfas Premier lenses are available in 3 corridor lengths (10/12/14mm), and have a minimum fitting height of 14mm.



Premier Wide

Perfas Premier Wide lenses have an advanced hard design and feature reading zones that are 20% wider than Premier. The lens is best for seasoned wearers with medium to high add powers (+2.00 and above). It offers the widest reading area possible for those who do a lot of close/near occupational work, as well as a usable intermediate and wide stable distance vision.

As with Premier lenses, Premier Wide incorporates measured power in the intermediate and near zones to ensure the best optical performance in the as-worn position.

Perfas Premier Wide is ideal for smaller frames and frames with narrow "B" measurements. It is available in 3 corridor lengths (10/12/14mm), with a minimum fitting height of 14mm.

Prestige

Perfas Prestige is our most advanced product design, and is ideal for all patients, particularly those with difficult prescriptions (high cylinder and Rx prism).

Prestige incorporates measured power throughout the entire lens (distance, intermediate and near) for total control of off-center astigmatism and power error. Aspheric power control along the lens corridor compensates for changes in vertex distance and the degree of visual axis (rotation) as the eye focuses

from distance to near. Gradient cylinder control within the corridor vastly improves intermediate vision. Prestige also provides the widest reading area possible even for high-powered prescriptions, by varying the inset based on the distance Rx and corridor length.

Perfas Prestige provides outstanding optical performance, with wide, clear vision even in the periphery, distortion-free distance vision and significantly wider intermediate and reading areas. In fact, Perfas Prestige provides visual fields that are up to 35% wider than conventional lenses.

Perfas Prestige is available only in 1.67 material with AR. It has a minimum fitting height of 14mm.

Material	1.67 HIGH INDEX			1.60 HIGH INDEX			1.59 POLYCARBONATE			1.53 TRIVEX®			1.50 PLASTIC			
	Clear	Polarized G&B	Transitions G&B	Clear	Polarized G&B	Transitions G&B	Clear	Polarized G&B	Transitions G&B	Clear	Polarized G&B	Transitions G&B	Clear	Polarized G&B	Transitions G&B	
Prime, Premier & Premier Wide	●	●	●	●		●	●	●	●		●	●	●	●	●	●
Prestige	●															

● 1.67 with Surpass ECP AR only

Corridor/Minimum Fitting Height

Features, Benefits and Recommended Use

Prime

12mm/16mm
14mm/18mm
16mm/20mm

- Super soft design is good for most people with active lifestyles.
- A good choice for first time wearers and those particularly sensitive to PAL accommodation.
- Low to medium add powers (up to +2.00).

Premier

10mm/14mm
12mm/16mm
14mm/18mm

- Advanced, blended softer design best suited for ultra-sensitive PAL wearers and for difficult Rx's.
- Measured power in the intermediate and near zones.
- Low to medium add powers (up to +2.00).

Premier Wide

10mm/14mm
12mm/16mm
14mm/18mm

- Advanced hard design preferred by seasoned wearers and people with demanding near-vision occupations.
- Measured power in the intermediate and near zones.
- Ideal for frames with narrow B measurements.
- Medium to high add powers (+2.00 and above).
- Near zones up to 20% wider than Perfás Premier.

Prestige

10mm/14mm
12mm/16mm
14mm/18mm

- Most advanced back-surface design ideal for patients with very difficult PAL Rx's (high cylinder & prism).
- Perfás measured power throughout the entire lens.
- Automatic variable inset ensures the widest reading area possible.
- Available in 1.67 only with Surpass ECP Super Hydro AR

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All PERFAS lenses are available with



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