Patient Benefits
Whether your patient is 45 or 65, you can provide them with the best design optimally suited to their visual needs and Visual Age™.

- Every lens design is unique by Visual Age™
- Easier adaptation for presbyopes with low Adds
- Instant focus for every distance
- Smooth transition between vision zones
- Unique user experience for every wearer
- A lens ahead of its time harnessing cutting-edge technologies, Big Data and Artificial Intelligence
- Updated vision zones include digital and computer viewing, with easy switching from one zone to another based on visual needs

How to Order
- Patient’s prescription (prescription should be measured with a pantoscopic tilt of zero in the trial frame)
- Frame Data: A, B, & DBL or frame tracer file
- Fitting height
- Mono PD (near and far)
- Face-form angle/panoramic angle
- Pantoscopic tilt
- Refracted vertex distance & fitted vertex distance

Maximum Measurements For Maximum Lens Performance
To receive the maximum As-Worn Technology™ benefits, Shamir recommends providing all of the mentioned measurements.

Availability
Minimum Fitting Heights – 11mm, 13mm, 15mm, 18mm, and Variable

<table>
<thead>
<tr>
<th>Material</th>
<th>Prescription Range (D)</th>
<th>Addition</th>
<th>Cylinder</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 Hard resin (E, P, T7, T10)</td>
<td>-12.25 to +6.50</td>
<td>0.75 to 3.50</td>
<td>to -4.0 (D)</td>
</tr>
<tr>
<td>DLC Trivex® (E, BZ, P, T7, T10)</td>
<td>-13.25 to +7.00</td>
<td>0.75 to 3.50</td>
<td>to -6.5 (D)</td>
</tr>
<tr>
<td>1.56 (B)</td>
<td>-14.00 to +7.50</td>
<td>0.75 to 3.50</td>
<td>to -6.75 (D)</td>
</tr>
<tr>
<td>Polycarbonate (E, BZ, P, T7, T10)</td>
<td>-14.75 to +8.75</td>
<td>0.75 to 3.50</td>
<td>to -7.0 (D)</td>
</tr>
<tr>
<td>1.6 Suprilen™ (E, P, T7, T10)</td>
<td>-14.75 to +8.75</td>
<td>0.75 to 3.50</td>
<td>to -7.0 (D)</td>
</tr>
<tr>
<td>1.67 Suprilen™ (E, BZ, P, T7, T10)</td>
<td>-16.75 to +10.00</td>
<td>0.75 to 3.50</td>
<td>to -8.0 (D)</td>
</tr>
<tr>
<td>1.74 Suprilen™ (C, T7)</td>
<td>-18.75 to +10.75</td>
<td>0.75 to 3.50</td>
<td>to -9.0 (D)</td>
</tr>
<tr>
<td>1.74 Trivex® (C, T7)</td>
<td>-18.75 to +10.75</td>
<td>0.75 to 3.50</td>
<td>to -9.0 (D)</td>
</tr>
</tbody>
</table>

POWER RANGE IS DETERMINED BY SHAMIR CERTIFIED BLANK RANGES PLUS TO 10 DIOPTERS IN EACH QUADRANT

WARNING: Polycarbonate lenses can expose you to chemicals including Bisphenol A (BPA) and 1.74 index lenses can expose you to Methimazole, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov.
Shamir Autograph Intelligence®
Designed to match your Visual Age®

Harnessing today’s cutting-edge technologies, Big Data, and Artificial Intelligence, Shamir introduces its most advanced progressive lens. Shamir Autograph Intelligence® is a continuous lens design that optimally matches the wearer’s visual needs and Visual Age®.

The PROBLEM
Designed to Match Your Visual Age®
Today’s progressive lenses provide patients with a “personalized” lens based mostly on the measurements of their selected frame, or “customized” based on lifestyle information from questionnaires. This “one design” concept provides everyone with the same solution. (Fig. 1)

How can we help you make the best lens choice to meet the needs of your patients, without complicating the dispensing process?

To answer this question, Shamir embarked on an extensive research project using methods of Big Data and elements of Artificial Intelligence. We examined the visual behavior and preferences of presbyopes of all ages, by taking into account their Visual Age. (Fig. 1)

Visual Age® refers to the physiological age of the eye (the required addition) and is generally correlated with the patient’s chronological age.

The RESEARCH
Research Parameters
Analyzing visual behavior, we examined the different vision zones, and their frequency of use by presbyopes between the ages of 40 and 80. Our research included near vision, digital vision, intermediate vision, far vision, and switching from one vision zone to another (Switch Distances Frequency®).

What we learned... (Fig. 2)

Young presbyopes need a good solution for digital reading and support for dynamic vision. Near vision has lower priority, due to reading mainly on handheld digital devices.

Moderate presbyopes demonstrate more balanced needs. All vision zones hold more or less equal importance.

Advanced presbyopes need a good solution for far and near vision, while Switch Distances Frequency®, intermediate vision and digital reading are a lower priority.

The SOLUTION
Autograph Intelligence®
is our most innovative and intelligent design to date, utilizing 12 unique design concepts to fill the visual needs required for each Visual Age®. Shamir’s Autograph Intelligence® closes the gap between visual needs that presbyopes of all ages want and require.

This revolutionary progressive design concept has been tailored based on our research findings to meet visual needs by Visual Age®.

We started with our proven technologies.

Eye-Point Technology AI®
Utilizing Head Eye Integrative Movement software (HEIM), Shamir can now see exactly where the lens patients actually look, along both the vertical and horizontal meridian, when they specifically perform tasks in the various visual zones.

Continuous Design Technology®
This technology integrates research findings with patient habits and visual needs to provide a smooth, seamless lens design concept for every Visual Age®.

Shamir Visual AI Engine®
By applying elements of Artificial Intelligence that mimic human intelligence, this design engine is able to make go/no-go decisions based on predefined risks. The output ensures uniform and controlled planning for any combination of parameters, with extreme accuracy for each new lens design.

How do various design concepts meet visual needs by Visual Age®?

The GAP
The Gap with Today’s Progressive Design Concepts
Our research findings revealed a clear correlation between each visual need and the Visual Age of the patient, meaning that each Visual Age® has different visual preferences and needs. This conclusion supports the assumption that there is a gap between current progressive lens designs which are the “same for everyone” and the diversity of today’s individual presbyopic needs.

These are samples of what wearers receive from a current progressive lens design vs. what wearers actually NEED, according to our research.

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Shamir Autograph Intelligence®
Product Classification: Everyday Progressive

Patient Benefits
- Every lens design is unique by Visual Age®
- Easier adaptation for presbyopes with low Adds
- Instant focus for every distance
- Smooth transition between vision zones
- Unique user experience for every wearer
- A lens ahead of its time harnessing cutting-edge technologies, such as Big Data and Artificial Intelligence
- Updated vision zones include digital and computer viewing, with easy switching from one zone to another based on visual needs priorities

Minimum Fitting Heights
1.1mm, 1.3mm, 1.5mm, 1.8mm, and Variable

Availability
Shamir Autograph Intelligence®
- Progressive
- Progressive SV
- As-Graphic
- As-Worn Quadro®
- Signature 7
- IntelliCorridor®
- Natural Posture
- Eye-Point Technology AI®
- Eye-Point Technology II®
- Continuous Design Technology®

WARNING: Polytrafluorobutenes can expose you to chemicals including Bisphenol A (BPA) and 1.74 index lenses can expose you to Methimazole, which are known to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Product Features
- FREEFORM®
- FREEFORM® SV
- CONVENTIONAL SRL
- CONVENTIONAL SV
- CLOSE-UP
- Signature 7
- IntelliCorridor®
- Natural Posture
- Eye-Point Technology AI®
- Eye-Point Technology II®
- Continuous Design Technology®

Material
- C-Clear®
- P-Polarized
- B-Blended
- BBA-Blended (BPA)

Minimum Fitting Heights
- 1.1mm
- 1.3mm
- 1.5mm
- 1.8mm
- 2.0mm

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- TV-Transitions®
- TV-Transitions® Digital
- C-Clear
- C-BZA
- C-Clear
- C-Blended
- C-BZA
- C-Blended

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Material
- 1.6 SuperLite®
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- 1.6 SuperLite®

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Material
- 1.56 (B)
- 1.56 (B)
- 1.56 (B)
- 1.56 (B)
- 1.56 (B)
- 1.56 (B)
- 1.56 (B)

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Material
- Trivex®
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- Trivex®
- Trivex®
- Trivex®
- Trivex®
- Trivex®

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Material
- 1.5 Hard Resin (C,P,D,T7,TX)
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- 1.5 Hard Resin (C,P,D,T7,TX)
- 1.5 Hard Resin (C,P,D,T7,TX)
- 1.5 Hard Resin (C,P,D,T7,TX)
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