




Freeform® Bifocal 	Technologies Product Classification: EVERYDAY > Bifocal	Marking: 
	Minimum Fitting Heights: 15mm	

Everyone likes to look their best, including those patients who choose to wear bifocals. The visible line across flat-top bifocals, generally seen as an age marker, gives the lens an undesirable look. At the same time it compromises visual comfort by creating a disturbing image jump.

Addressing The Visual Experience Of The Bifocal Wearer.

Shamir has developed a new generation of bifocal lenses that provide a more aesthetically appealing solution improving the way the wearer looks, as well as the way they see with Shamir **Duo™**.

Traditional Bifocals – A Good Solution, But Not Without Drawbacks

Flat-top bifocals are a conventional solution for presbyopic needs, however they do include some troublesome disadvantages regarding both how the wearer looks and how they see. With their visible dividing line, flat-top bifocals give the wearer a look that is generally associated with old age and furthermore, flat-top bifocals introduce a vertical surface discontinuity resulting in a disturbing image jump with loss of image as the eye moves from one visual zone to the other.

Traditional bifocal lens wearers have had to compromise on their appearance as well as on the accompanying visual performance... until now.

Advantages Of Shamir Duo™

A New Look
 Shamir Duo™ eliminates the visible age-marking line.



Visual Harmony
 Visual comfort matters. With Shamir Duo™, vision is clear and smooth from one visual zone to another.

More choices
 Doing away with limitations, Shamir Duo™ allows a wide choice of materials and premium coatings.



Characteristics of Flat-Top Bifocal



Visible dividing line between vision zones, generally associated with an older age group.



Ledge causes images to jump, makes cleaning difficult and prevents coating from being applied.



EyePoint Technology™
The Design Inside

EyePoint Technology® simulates the human eye in every angle, prescription, and field of vision. These techniques enable Shamir to create the most sophisticated progressive lens surfaces based upon thousands of points of data. It's this "design inside" that makes Shamir progressive lenses the most advanced in the world.

Shamir Duo™ - A New Visual Harmony

To overcome these disadvantages, Shamir has developed a new bifocal lens design – Shamir Duo™. An advanced Freeform® lens, Shamir Duo™ offers surface continuity, eliminating the visible line. It also offers optical continuity, eliminating the image jump and loss of image. By eliminating these problems associated with traditional bifocal lenses, Shamir Duo™ maintains a natural, distortion free visual path as the eye moves from one vision zone to another.

Now with Shamir Duo™, there is no need to compromise either on appearance or on visual comfort.

Characteristics of new generation Bifocal: Shamir Duo™



Eliminates the visible dividing line between vision zones, generally associated with an older age group.



Smooth surface means no visual distortion along the natural eye path, easy cleaning and allows a wide choice of materials and advanced coatings.

Measurement Information

Provide the following information:

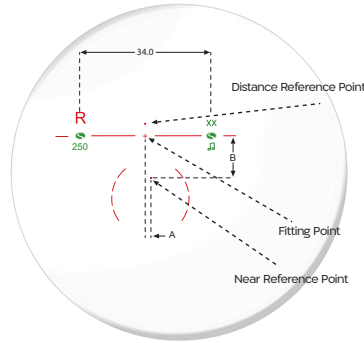
- Patient Distance and Near Rx do not adjust
- Fitting Height
- Monocular Distance PD
- Frame Measurements A/B/DBL&ED

Fitting Instructions:

The Shamir™ fitting point should coincide with the center of the pupil, using the invisible markings for verification

*It is strongly recommended that you provide all of the above mentioned measurements.

Technical Information



Fitting Height	A* (see diagram)	B (see diagram)	M Invisible Marking (see diagram)
15mm	1.5	11	JJ

*Inset affected by design and Near P.D. Value listed is if no Near PD provided

Minimum Fitting Height: 15mm
Ink Marking: Red • Invisible Marking: Green

Availability:

Material	Prescription Range [D]	Addition	Cylinder
1.50 Hard Resin (C,T,V,T7,P,TX,D)	-9.00 to +6.00	0.75 to 4.00	to -6.0 [D]
DLC Trivex™ (C,T,V,T7,P,TX,BZ)	-13.25 to +6.00	0.75 to 4.00	to -6.5 [D]
1.56 (B)	-14.00 to +6.00	0.75 to 4.00	to -6.75 [D]
NXT™ (PH)	-1.75 to +6.00	0.75 to 4.00	to -6.50 [D]
1.6 SuperLite™ (C,T7,P,TX)	-15.00 to +6.00	0.75 to 4.00	to -7.0 [D]
1.67 SuperLite™ (C,T7,P,TX,D,BZ)	-16.75 to +8.00	0.75 to 4.00	to -8.00
Polycarbonate (C,T,V,T7,P,TX,D,BZ)	-14.75 to +6.00	0.75 to 4.00	to -7.00
1.74 SuperLite™ (C,T7)	-18.75 to +12.00	0.75 to 4.00	to -9.00

LEGEND:

- C - Clear
- TV - Transitions® Vantage™
- T7 - Transitions® Signature7™
- P - Polarized
- TX - Transitions® XTRActive™
- B - BLUTech (Indoor & Outdoor)
- D - Drivewear®
- N - NXT™
- BZ - Blue Zero™
- S - SunSync®
- PH - Photochromic

POWER RANGE IS DETERMINED BY SHAMIR CERTIFIED BLANK RANGE PRISM 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.

Features & Benefits

In addition to improved appearance as well as improved vision, Shamir Duo™ offers other important advantages over flat-top bifocals which limit the type of lens materials and treatments that can be used, allowing less versatility and offering patients fewer choices.

A Harmony of Advantages

- **Improved appearance:** Eliminates the visible dividing line between vision zones
- **Improved visual performance:** Visual continuity between zones
- **Suitable for sunglasses:** Tinted, Photochromic and Polarized
- **Available in a wide variety of materials** including high index for thin, aesthetically appealing lenses
- **Suitable for a range of premium coatings**
- **Ideal for presbyopes** with progressive lens adaptation difficulties



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