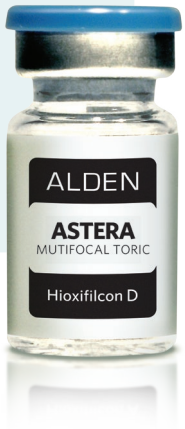
ASTERA™

Advanced Multifocal Optics + Innovative Custom Toric Design

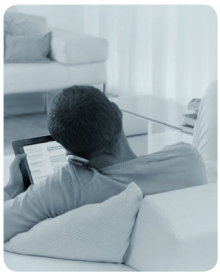
NOW AVAILABLE IN 3 ADD PROFILES!



The best of both worlds in a single Multifocal Toric

ALDEN OPTICAL

ASTERA™ Multifocal Toric: the state-of-the-art lens for presbyopic and astigmatic correction.



ASTERA™ Multifocal Toric offers you an entirely new level of performance and control for presbyopes who would benefit from a custom lens prescription and astigmatic correction. ASTERA Multifocal Toric incorporates both advanced C2™ multifocal optics developed in Europe by Precilens, as well as Alden Optical's innovative Dual Elliptical Stabilization™ (DES). These remarkable lenses offer clear, stable vision at all distances and the power of custom parameters to address any level of ametropia or need for custom lens geometry. Plus, ASTERA is also available for your custom spherical presbyopic fits when no cylinder correction is required.

C2 Multifocal Design: Great Vision At Every Distance

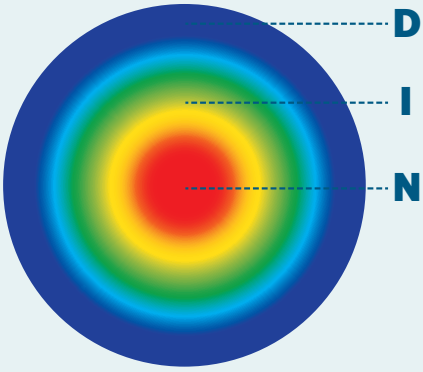
Created by Precilens, one of Europe's leading multifocal contact lens makers, the C2 multifocal design offers your patients great vision at all distances. Unlike typical progressive aspheres, the C2 design's stabilized near and distance zones mean your patients will enjoy improved near vision and great distance acuity across a wide range of visual scenarios. This C2 design offers:

- Stabilized near and distance zones
- Large spherical zones to ensure minimal visual compromise
- The ability to adjust near and distance parameters independently
- 3 ADD profiles to fit a wider range of patients

Dual Elliptical Stabilization™: Exceptional Toric Performance

Alden Optical's Dual Elliptical Stabilization system uses CAD/CAM tools to precisely control the shape and position of the lens ballast, as opposed to traditional double slab-off designs where the ballast is created using material that remains after "slabbing off." By adding material to the lens to create the exact ballast shape and position desired, DES toric lenses are able to deliver:

- Faster rotational alignment
- Improved orientation
- Excellent rotational stability
- Reduced lens thickness



Clinical Results That Speak For Themselves

A recent clinical study analyzed patients who wore multifocal lenses utilizing the C2 multifocal design. Here's what they had to say:

"We looked at the relationship between distance and near vision obtained with the trial lenses, and plotted distance VA versus near VA. Interestingly, we found no correlation between the two. In other words, it did not appear the patients that gained good distance vision did so by compromising the near vision (or vice versa). This is relatively unique among multifocal soft lenses, as generally significant compromise between distance and near vision is required, especially with higher reading additions."

– A Clinical Study of a Hydrogel Multifocal Contact Lens, Peter Walker, BOptom TPA, et al.

Why Fit ASTERA Multifocal Toric?

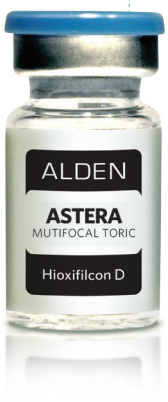
- Dual Elliptical Stabilization for outstanding orientation and rotational stability
- Proven C2 optics for outstanding near and distance vision with minimal compromise
- 3 ADD profiles to fit a wider range of patients
- Simplified empirical fitting
- Excellent patient outcomes
- Available ***without cylinder*** correction for your custom spherical presbyopic fits

The Alden Advantage

- Three-day order fulfillment
- All single lenses are fully warranted for 90 days
  - Now offering EZ-Exchange™ for hassle-free lens adjustments
- Lenses can be created with virtually any base curve and diameter
- Sphere powers available +/- 30.00D and cylinder powers to –10.00D
- Replacement options include an economical quarterly replacement plan

Parameters

Material	Hioxifilcon D
Water Content	54%
Diameter (mm)	13.0 to 16.0 (14.5 standard)
Base Curve	7.7 to 9.8 in 0.1 mm steps
Power	+/- 30.00D in 0.25D steps
Cylinder Power	-0.25D to -10.00D in 0.25D steps
Axis	Any @ 1°
Stabilization	Dual Elliptical Stabilization™
ADD	Profile 1: ≤ +1.50D or patients 44 or younger Profile 2: +1.75D to +2.25D or patients between 45-54 Profile 3: ≥ +2.50D or patients 55 or older
Distance Optics	Aspheric correcting for spherical aberration in both sphere and toric
Color	Clear or Tinted
Replacement	Conventional, Quarterly, Bimonthly, Monthly



Diagnostic Set

Consists of 18 lenses—two each: Profile 1, Profile 2, and Profile 3, 8.3/8.6/8.9 base curves. Each lens is a zero cylinder toric with Dual Elliptical Stabilization.

Fitting Guide

ASTERA™ Multifocal Toric can be fit empirically by following the steps below. Alternatively, an 18-lens diagnostic set is available, allowing you to more easily determine visual performance, lens fit, and orientation.

Key Tips for Success with ASTERA Multifocal Toric

- Always start with a new refraction
- As with any progressive asphere, "push" as much plus in the distance as possible
  - ASTERA Multifocal Toric has particularly strong distance optics, so "push" plus with confidence
- Always start with equal ADD profiles in both eyes and allow for a complete adaptation before taking any troubleshooting steps
- Allow lens to settle for 10-15 minutes before evaluating vision
- If the patient has good distance vision and adequate near vision with the first pair, dispense lenses and strongly encourage them to give the lens 5-7 days to settle and the near vision to develop
- Correct even low levels of astigmatism to provide the best distance vision component possible (allows for greater "push")
- When assessing potential optimization, always use hand-held trial lenses and avoid the phoropter or auto refractor

Obtain Baseline Parameters

- Obtain new spectacle refraction and reading addition
- Determine dominance:
  - Placing alternately in front of OD and then in front of OS a trial lens +1.00D
  - The eye most blurred in distance vision by the trial lens +1.00D will be the dominant eye
- K-readings with axis
- HVID

Base Curve and Diameter Selection

1. For normal corneal diameters, use the 14.5 diameter ASTERA lens
2. For large or small corneas, add 2.5 mm to HVID to determine lens diameter
3. With average k reading and desired lens diameter, select base curve from the chart

Power Determination

- Distance: Vertexed Refraction
- Near Addition: (See chart)

ASTERA BASE CURVE SELECTION CHART

Average K	Lens Diameter		
	13.5 & Smaller HVID ≤ 11mm	**14.0 & 14.5** HVID > 11 < 12.5mm	**15.0 & Larger** HVID ≥ 12.5mm
50	7.7	8.0	8.6
49		8.3	
49	8.0		
47			
46			8.9
45		8.6	
44	8.3		
43			
42			9.2
41		8.9	
40	8.6		
39			
38			9.5

ADD PROFILE AGE CHART

Age	ADD Requirement	Recommended ADD Profile
44 or younger	≤ +1.50D	P1
45-54	+1.75D to +2.25D	P2
55 or older	≥ +2.50D	P3

Optimizing Distance Vision

OPTION 1: Using hand-held trial lenses; increase minus by -0.25D/-0.50D in the dominant eye
- Occasionally, hyperopes will be more satisfied with decreased minus in the dominant eye

OPTION 2: Using hand-held trial lenses, increase minus by -0.25D/-0.50D in both eyes

OPTION 3: Fit the next lower ADD profile (e.g., P3 to P2) in the dominant eye or subsequently both eyes

Optimizing Near Vision

OPTION 1: Using hand-held trial lenses, decrease minus by -0.25D/-0.50D in the non-dominant eye

OPTION 2: Using hand-held trial lenses, decrease minus by -0.25D/-0.50D in both eyes

OPTION 3: Fit the next higher ADD profile (e.g., P1 to P2) in the non-dominant eye or subsequently both eyes

ALDEN OPTICAL
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