



**HOW TO
FIT ASANA™**
INTO YOUR SPECIALTY PRACTICE

BAUSCH+LOMB

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Fit Assessment

Use this page as a reference before and during lens fitting.



Aligned Fit

- Centred lens
- 1.0 mm to 1.5 mm in movement
- Fluorescein pattern showing alignment or slight apical clearance centrally



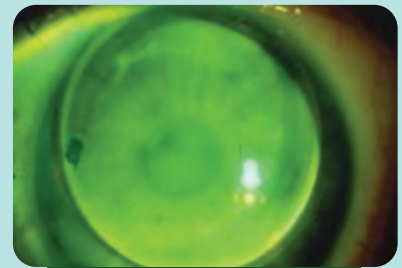
Flat Fit

- Central area of touch
- Broad green band of fluorescein at the edge
- Excessive movement

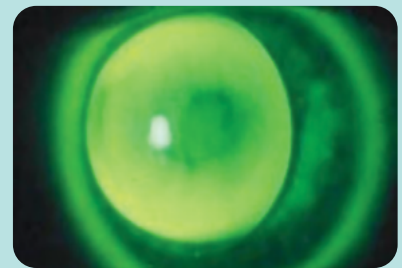


Steep Fit

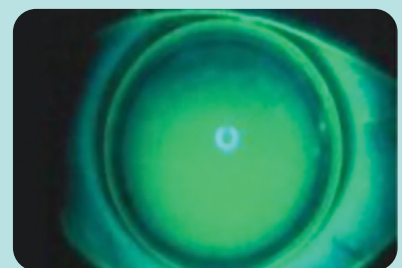
- Excessive central fluorescein pooling, sometimes with bubbles
- Ring of touch on midperiphery
- Minimal edge clearance
- Minimal movement



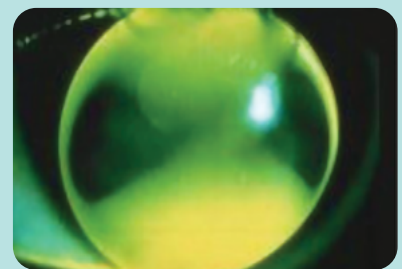
ALIGNED FIT



FLAT FIT



STEEP FIT



**SPHERICAL LENS
ON TORIC CORNEA**

ASANA™ Sphere and Asphere

1 Obtain keratometry readings

2 Determine lens diameter

Corneal diameter	Lens diameter
12.0 mm or larger	9.8 mm-10.5 mm
11.0 mm-11.9 mm	9.0 mm-9.8 mm
10.9 mm or smaller	9.0 mm-9.4 mm

3 Determine base curve

SPHERE

Corneal cylinder	Base curve
0.00-0.50D	Fit 0.25D flatter than K
0.75D-1.50D	Fit 0.25D steeper than K
1.75D-2.25D	Fit 0.50D-0.75D steeper than K
>2.25D	Consider back toric

ASPHERE

Corneal cylinder	Base curve
0.00-0.75D	Fit on K
1.00D-1.75D	Fit 0.25D-0.50D steeper than K
2.00D-3.00D	Fit 0.50D-0.75D steeper than K
>3.00D	Consider back toric

4 Calculate lens power

Apply the "SAM/FAP or steeper add minus, flatter add plus" rule to the sphere power of the spectacle prescription



ASANA™ Multifocal

1 Obtain keratometry readings

2 Determine lens diameter and base curve

LENS DIAMETER

Corneal diameter	Lens diameter
12.0 mm or larger	9.8 mm-10.5 mm
11.0 mm-11.9 mm	9.0 mm-9.8 mm
10.9 mm or smaller	9.0 mm-9.4 mm

BASE CURVE

Corneal cylinder	Base curve
0.00-0.75D	Fit on K
1.00D-1.75D	Fit 0.25D-0.50D steeper than K
2.00D-3.00D	Fit 0.50D-0.75D steeper than K
>3.00D	Consider back toric

3 Calculate distance lens power

Apply the "SAM/FAP or steeper add minus, flatter add plus" rule to the sphere power of the spectacle prescription

4 Calculate near lens power

Same as spectacle ADD power

5 Calculate distance zone diameter

(available in 0.5-mm increments, up to 4 mm)

- Default is 2.5 mm for pupil sizes between 3.0 mm-5.0 mm (in ambient room light)
- If pupil size is <3.0 mm then order 2.0 mm distance zone diameter
- If pupil size is >5.0 mm then order 3.5 mm distance zone diameter



ASANA™ Front-Toric

- 1 Follow the same directions for fitting ASANA™ Sphere lenses (pg 4)
- 2 Calculate lens power
Over-refract over an ASANA™ Sphere lens



TIP: If you suspect that the patient needs a front toric GP lens design, order a front toric GP lens with "plano" cylinder to perform over-refraction



ASANA™ Back-Toric

- 1 Obtain keratometry readings
- 2 Determine lens diameter

Corneal diameter	Lens diameter
12.0 mm or larger	9.8 mm-10.5 mm
11.0 mm-11.9 mm	9.0 mm-9.8 mm
10.9 mm or smaller	9.0 mm-9.4 mm

3 Determine base curve

- Consider back toric with $>2.25D$ corneal toricity
- Flat base curve = flat K
- Steep base curve = $2/3$ corneal cylinder + flat base curve

4 Calculate lens power

Apply the “SAM/FAP or steeper add minus, flatter add plus” rule to the sphere power of the spectacle prescription (in minus cylinder form)



Consider Back-Toric when refractive cylinder is approximately **1.5x** the corneal cylinder



ASANA™
Bi-Toric

1 Start with the ASANA™ Back-Toric fitting steps (pg 6)

- Consider bi-toric with $>2.25D$ corneal toricity
- Flat base curve = flat K
- Steep base curve is $0.75D-1.00D$ flatter than steep K

2 Calculate lens power

Apply the “SAM/FAP or steeper add minus, flatter add plus” rule to the sphere power of the spectacle prescription

- Vertex sphere Rx if $>\pm 4.00D$
- Add refractive cylinder power (vertex, if needed) to refractive spherical power to create drum readings



ASANA™ Reverse Geometry and Reverse Geometry Front-Toric

1 Obtain keratometry readings

2 Determine lens diameter

Default lens diameter is 10.2 mm but can be customised

3 Determine base curve

Initial base curve selection uses average K reading over the central cornea

4 Determine reverse curve

Default is 4.00D steeper than the base curve

5 Calculate lens power

- For Reverse Geometry: Apply the “SAM/FAP or steeper add minus, flatter add plus” rule to the sphere power of the spectacle prescription
- For Reverse Geometry Front-Toric: Over-refract over a spherical reverse geometry lens



ASANA™ Keratoconus

When fitting the ASANA™ Keratoconus lens design, it is recommended to use the diagnostic fitting set. If one is not available, follow the steps below.

1 Obtain keratometry readings

2 Determine lens diameter

Default lens diameter is 8.8 mm but can be customised

3 Determine base curve

Initial base curve selection uses average K reading over the central cornea

- Larger or decentred cones require BCs closer to steep K reading
- Smaller or centred cones require BCs closer to flat K reading

4 Calculate lens power

Keratoconus stage	Average K reading	Recommended lens diameter
Stage 1	>7.50 mm	Non-keratoconus lens design
Stage 2	7.50 mm-6.75 mm	9.0 mm
Stage 3	6.75 mm-6.14 mm	8.6 mm-8.8 mm
Stage 4	6.14 mm-5.63 mm	8.0 mm

Troubleshooting

For troubleshooting, send spectacle refraction and keratometry readings or topography to consultation.

Problem	Solution
Flat Fluorescein Pattern (Central Touch or Bearing)	<ul style="list-style-type: none"> • Preferred change: Steepen BC & adjust power • Alternative change: Go to larger lens diameter
Steep Fluorescein Pattern (Central Pooling)	<ul style="list-style-type: none"> • Preferred change: Flatten BC & adjust power • Alternative change: Go to smaller lens diameter
Lens Decentration	<ul style="list-style-type: none"> • Check K readings and confirm correct BC was selected • Consider larger lens diameter OR back-toric design if $>2.25D$ corneal Cyl
Flares or Halos	<ul style="list-style-type: none"> • If good lens centration and alignment, increase optical zone diameter (0.2-0.3 mm larger) • If poor lens centration and alignment, adjust lens parameters to improve fit
Fluctuating Vision	<ul style="list-style-type: none"> • Check K readings and confirm correct BC was selected • If there is excessive lens movement, consider increasing the lens diameter and/or steepen the BC
Blurry Vision (Single-Vision Lenses)	<ul style="list-style-type: none"> • If good lens centration and alignment, perform over-refraction • If no improvement, check for lens flexure • If poor lens centration and alignment, adjust lens parameters to improve fit
Blurry Distance Vision (Multifocal Lens Designs)	<ul style="list-style-type: none"> • Check K readings and confirm correct BC was selected • If good lens centration and alignment, increase distance zone diameter for dominant and/or non-dominant eye • If poor lens centration and alignment, consider larger lens diameter (0.3 mm) or adjust BC to aid lens centration
Blurry Near Vision (Multifocal Lens Designs)	<ul style="list-style-type: none"> • Check K readings and confirm correct BC was selected • If good lens centration and alignment, increase ADD power in dominant and/or non-dominant eye • If lens has inadequate lens movement, flatten BC 0.10 mm OR increase the lens diameter (0.3 mm)
Blurry Distance and Near Vision (Multifocal Lens Designs)	<ul style="list-style-type: none"> • Check K readings and confirm correct BC was selected • If poor lens centration and alignment, adjust lens parameters to improve fit

Lens Parameters

View the comprehensive and versatile parameter range from ASANA™.

	Lens Type	Base Curve	Diameter	Powers (D)	Design
Spherical	Sphere	5.00 to 10.00 mm in 0.01-mm steps	7.0 to 12.5 mm in 0.1-mm steps	• +/-30.00D in 0.12D steps	• Spherical back surface
	Front-Toric			• +/-30.00D in 0.12D steps • Cyl -0.25 to -5.00 in 0.25D steps • Axis 1° to 180° in 1° steps	• Spherical back surface • Front toric optics • Prism ballast stabilised
	Bi-Toric		8.0 to 12.0 mm in 0.1-mm steps	• +/-30.00D in 0.12D steps	• Toric back surface • Front toric optics
	Back-Toric				• Toric back surface
Aspheric	Asphere	6.00 to 9.00 mm in 0.01-mm steps	8.0 to 12.0 mm in 0.1-mm steps	• +/-30.00D in 0.12D steps	• Aspheric back surface
	Aspheric Front-Toric			• +/-30.00D in 0.12D steps • Cyl -0.25 to -5.00 in 0.25D steps • Axis 1° to 180° in 1° steps	• Aspheric back surface • Front toric optics • Prism ballast stabilised
	Aspheric Bi-Toric		8.0 to 12.0 mm in 0.1-mm steps	• +/-30.00D in 0.12D steps	• Aspheric toric back surface • Front toric optics
	Aspheric Back-Toric				• Aspheric toric back surface
Reverse Geometry	Reverse Geometry	6.00 to 11.00 mm in 0.01-mm steps	8.0 to 12.0 mm in 0.1-mm steps	• +/-30.00D in 0.12D steps	• Midperipheral reverse curve
	Reverse Geometry Front-Toric			• +/-30.00D in 0.12D steps • Cyl -0.25 to -5.00 in 0.25D steps • Axis 1° to 180° in 1° steps	• Midperipheral reverse curve • Front toric optics • Prism ballast stabilised
Multifocal	Multifocal	6.00 to 9.00 mm in 0.01-mm steps	8.0 to 12.0 mm in 0.1-mm steps	• +/-30.00D in 0.12D steps • Up to 3.50 ADD in 0.25D steps	• Aspheric back surface • Centre-distance multifocal
	Multifocal Front-Toric			• +/-30.00D in 0.12D steps • Cyl -0.25 to -5.00 in 0.25D steps • Axis 1° to 180° in 1° steps • Up to 3.50 ADD in 0.25D steps	• Aspheric back surface • Centre-distance multifocal • Front toric optics • Prism ballast stabilised
	Multifocal Bi-Toric		8.0 to 12.0 mm in 0.1-mm steps	• +/-30.00D in 0.12D steps • Up to 3.50 ADD in 0.25D steps	• Aspheric toric back surface • Centre-distance multifocal • Front toric optics
	Multifocal Back-Toric				• Aspheric toric back surface • Centre-distance multifocal
Keratoconus	Keratoconus	4.50 to 8.00 mm in 0.01-mm steps	8.0 to 10.6 mm in 0.1-mm steps	• +/-30.00D in 0.12D steps	• Multi-curve back surface • Spherical optics

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to order ASANA™ today



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