Miru

1month Menicon

silicone hydrogel monthly disposable lenses

toric sphere multifocal

Technology in balance

Pioneers

Since 1951 Menicon have been pioneers in contact lens innovation, delivering ground-breaking contact lenses across the globe.

Technology and heritage

Today Menicon brings exciting new innovation applying our expertise and insight from a long heritage of world class contact lenses.

Dedicated to contact lenses

We create all our contact lenses from beginning to end, developing our own unique materials to which we apply the science of vision and design.

Committed to the environment

We are friendly to people, animals, and the environment with ecology at the core of our research and development programs.

Proud to introduce

Miru 1month a unique family of silicone hydrogel monthly lenses.

To see, is to discover.
To see, is to be moved.
To see, is to laugh.
To see, is to question.
To see, is to understand.
To see, is to share.

From the time we open our eyes in the morning, until we close them again at night, our days and our lives are defined by what we see.

That's why we chose Miru a Japanese word meaning "to see" as the global brand name for our visionary new range of contact lens products.

Miru
by Menicon

Technology in balance

Health Vision Comfort

Miru 1month a unique technology designed to meet the demands of today's contact lens wearer.*

Material and surface technologies

MeniSilk™

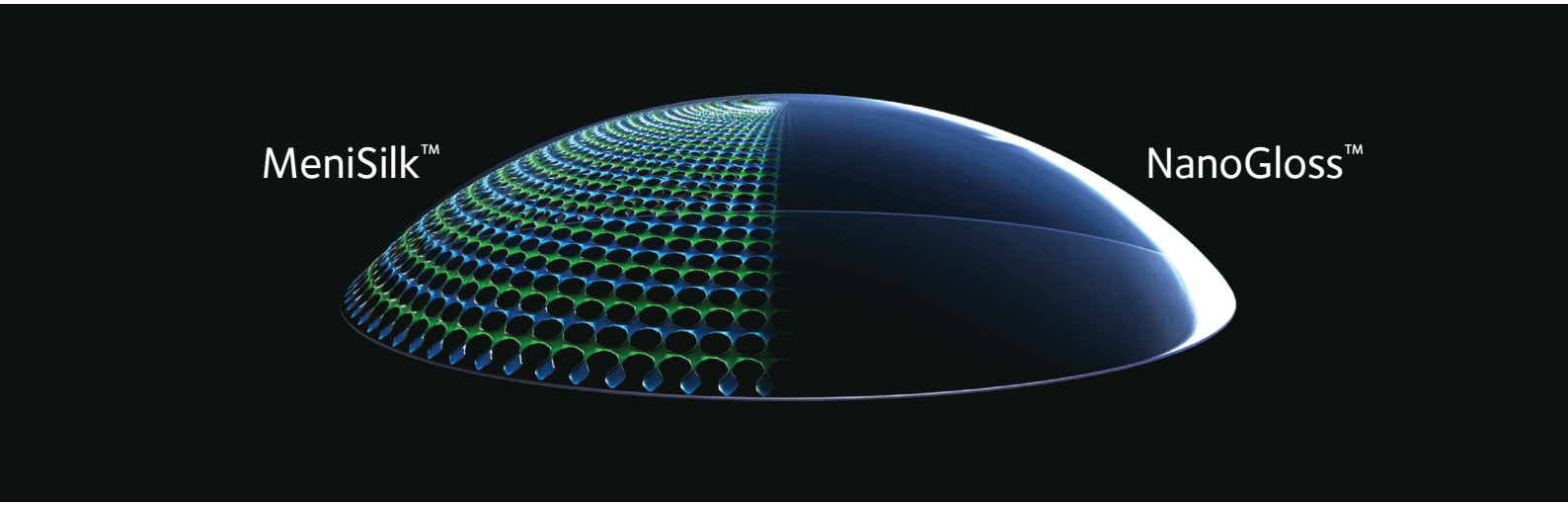
Unique silicone polymerisation, innovative hydrophilic monomer

- Ultra high Dk/t
- Exceptional hydration
- Optimised transparency

NanoGloss™

Unique surface technology, Nanometer precision

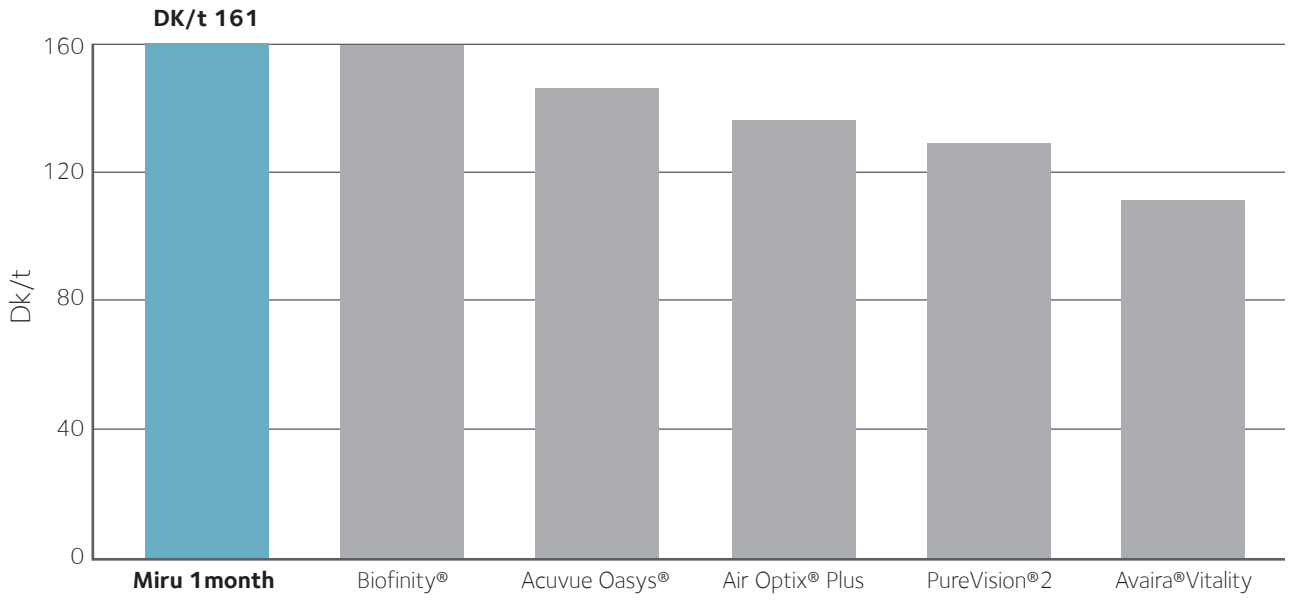
- Super smooth surface
- Resistance to bacteria
- Excellent wettability



Health

Ultra Dk/t for healthy eyes

MeniSilk™ technology delivers one of the highest levels of oxygen transmission of any commercially available disposable lens.



Dk/t @ -3.00D manufacturers data
(cm/sec) x {mLO_2/(mL x mmHg)}

Benefits of oxygen

Eyes that can breathe are healthier, whiter and allow worry-free wear from morning until night.[1, 2, 3]

Benefits of design

A totally breathable lens ensures every part of the eye gets the oxygen which is necessary for healthy, happy and whiter eyes.

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Benefits data source: [1]Brennan NA, Morgan PB. Reader's Forum: Another view of oxygen transmission. Cont Lens Spectrum. Published December 1, 2005.
[2]Brennan N, Morgan P. Clinical highs and lows of Dk/t Pt 1.Optician 2009
[3]Short-Term Physiologic Response in Neophyte Subjects Fitted with Hydrogel and Silicone Hydrogel Contact Lenses Maldonado C. Optometry and Vision Science, Vol. 81, No. 12, December 2004

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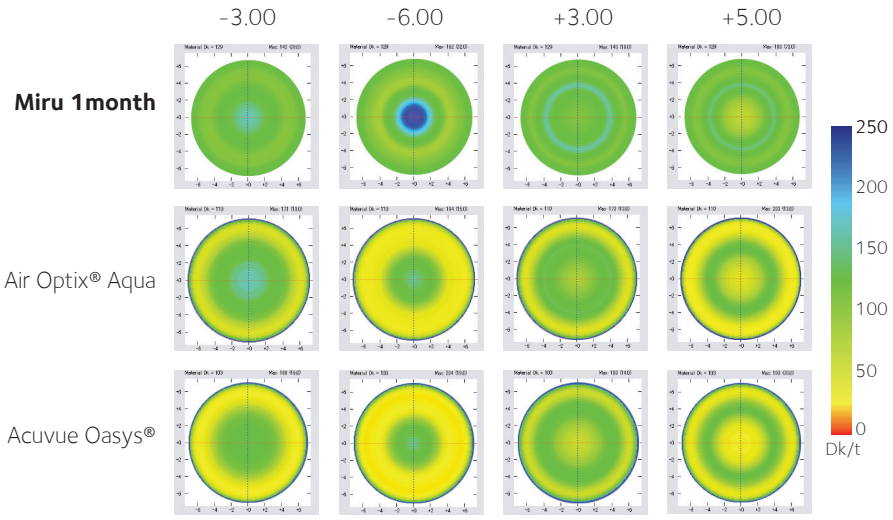
Health

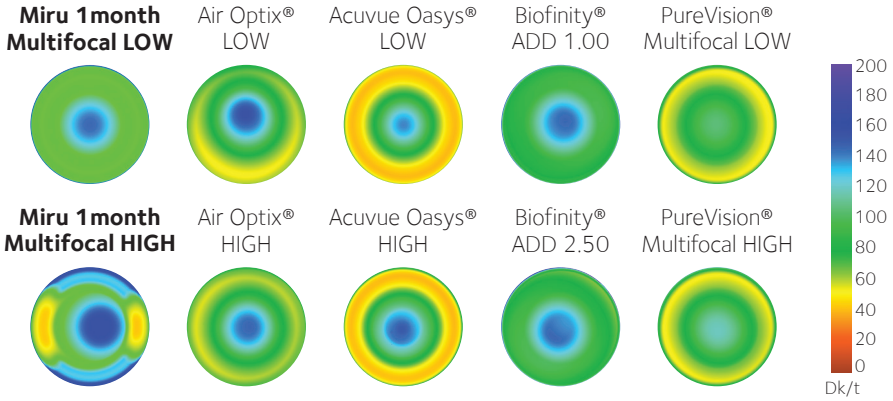
Thickness matters

The thickness of a lens can significantly impact oxygen transmissibility. Miru 1month sphere, toric and multifocal designs optimise oxygen transmissibility across the whole lens surface over the entire power range.

Sphere



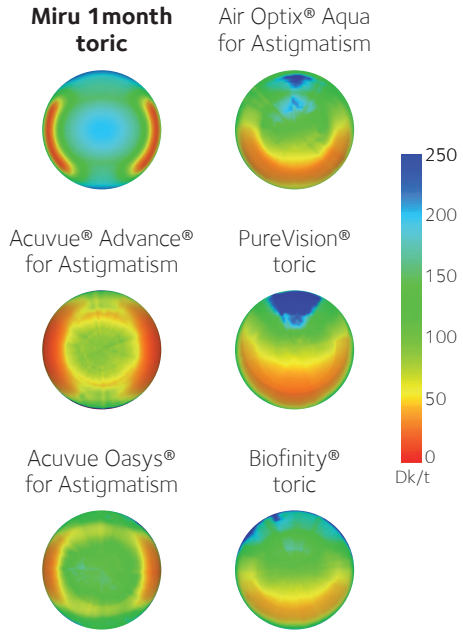
Multifocal



Oxygen transmissibility (Dk/t) based on the profile of the multifocal lenses.
Power: -3.00 D of each manufacturer

Toric

Miru 1month toric has a prism free optic zone and asymmetric slab-off profile which ensures maximum oxygen transmissibility over the cornea.



Maximum transmissibility of oxygen from the centre to the periphery of entire power range.

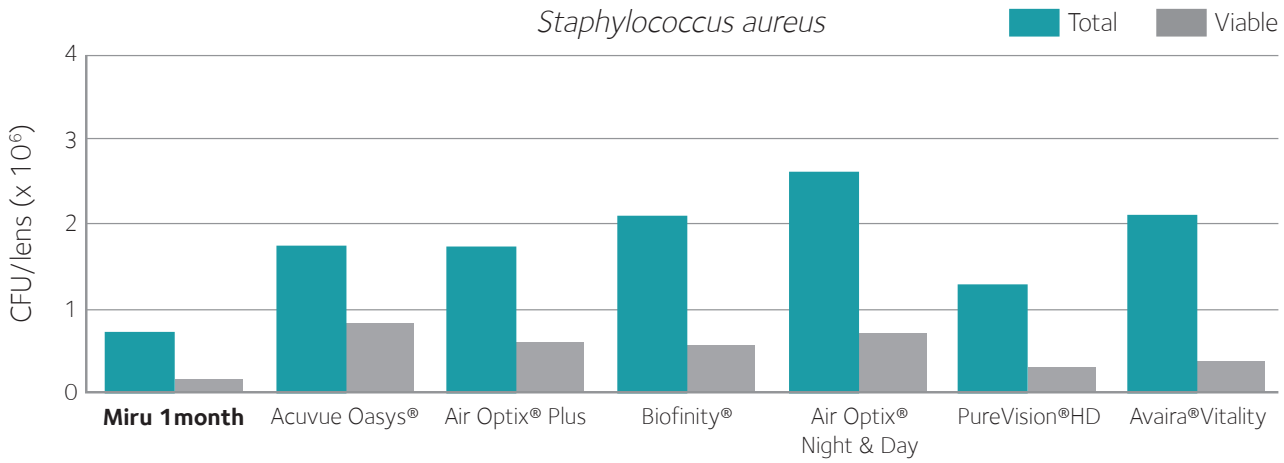
Transmissibility colour maps from different toric design lenses (Power: -3.00 D Cyl: -1.25 D Axis: 180°).

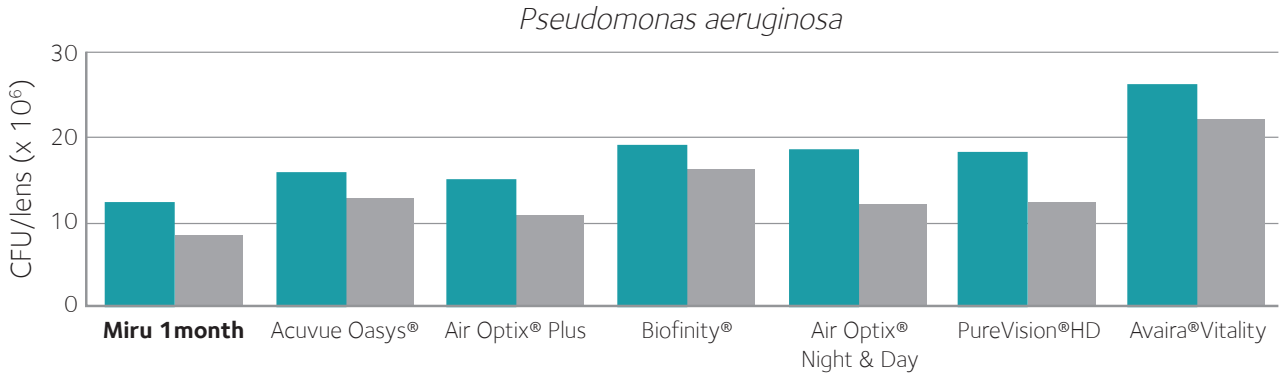
Menicon internal profiling data on file

Health

Surface perfection for healthy eyes

Nanogloss™ nanometer precision technology provides a super smooth surface reducing bacterial biofilm adhesion and lipid deposits[1] supporting clean, healthy lens wear.





Miru 1month demonstrates the lowest level of bacterial adhesion on worn lenses when compared to other silicone hydrogel lenses.[2]

Miru 1month showed 100% deposit free findings on follow up when using MeniCare soft solution.[3]

Benefits of reducing deposits

A super smooth surface for cleaner lenses and healthy eyes which feel great and see clearly.

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[1]Menicon Data on file
[2]Vijay et.al. Bacterial Adhesion to worn SiHy Lenses. Optom Vis Sci 2012;89:1095-1106
[3]Menicon data on file 2020

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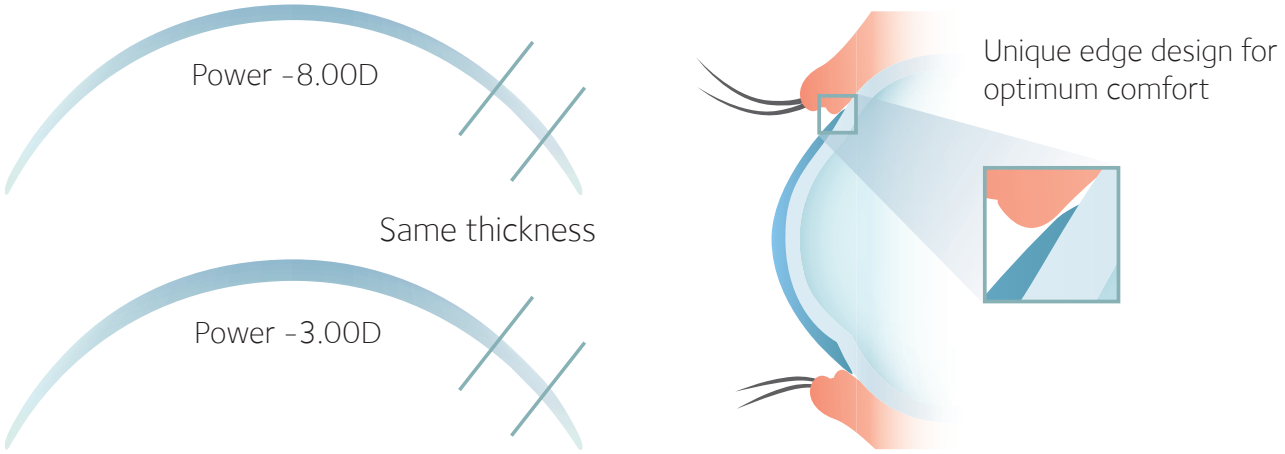
Comfort

Balancing design and material

Miru 1month lenses have a unique edge profile applied across the whole power range providing the ultimate in uniform comfort.

Despite the power, the lens periphery and the edge thickness remain the same, eliminating comfort differences between eyes due to variation in edge thickness between lenses.



A unique balance of oxygen, water content and modulus.

	Dk/t	Water Content	Modulus
Miru 1month	161	40%	0.9MPa

Benefits of edge design

The eyelids work hard blinking up to 28,000 times a day. This unique lens design allows lids to glide effortlessly over the lens for a more comfortable day.

Vision

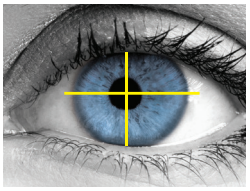
Miru 1month toric

Visiostable design™

Unique double vertical asymmetric thin zones

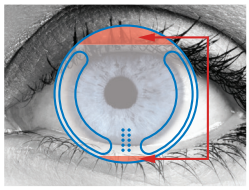
Horizontal dynamic stabilisation zones

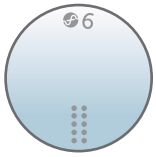
Prism free optic zone



Anatomical profile

The unique asymmetric vertical thin zones matches the eyelids' natural asymmetric coverage of the cornea harnessing the natural lid force, optimising centration and preventing rotation.





For effective unique asymmetric stabilisation insert lens with axis mark inferiorly and then follow your normal toric lens fitting process.

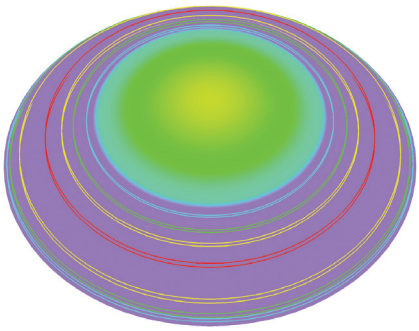
Benefits of Visiostable design™

A lens designed to work with your eyes for clear and comfortable vision so you can get on with your life.

Vision

Miru 1month multifocal

Innovation for presbyopia Dual Balanced Design®

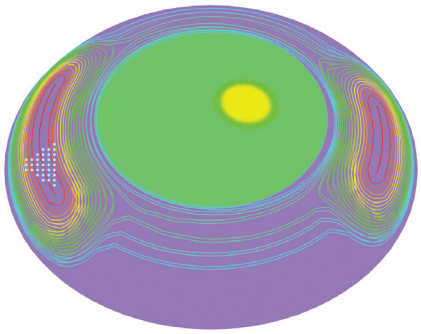


LOW design

For earlier presbyopes with lower near vision needs

- Progressive multifocal geometry
- Centre near vision

Temporal indicator

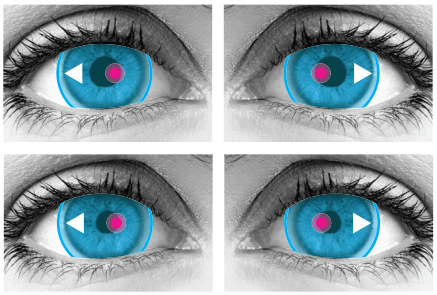


HIGH design

For presbyopes with higher near vision needs

- **Decentered near zone**
- Dynamic stabilisation zones
- Vertical slab-off
- Temporal indicator

Miru 1month multifocal showed good all round visual satisfaction with greater distance vision performance when compared to other monthly silicone hydrogel multifocal designs.[1]



Distance viewing

- Relaxed accommodation
- Relaxed convergence

Near viewing

- Accommodation
- Convergence
- Pupil constriction

Benefits of Dual Balanced Design®

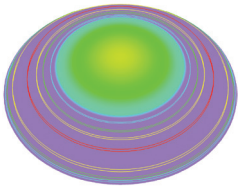
A lens designed to work with your eyes for clear and comfortable vision near and far.

[1]Menicon data on file April 2020

Vision

Miru 1month multifocal fitting guide

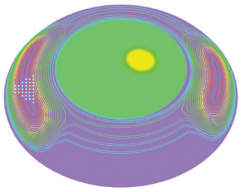
1. **Up to date spectacle prescription:** The essential starting point
   - **Best vision sphere:** Compensate for any astigmatism up to 1.00DC
   - **Maximum plus for distance vision and binocular balance:** Eyes relaxed and ready
   - **Vertex Distance:** For +/- 4.00D or greater
2. **ADD power:** Lowest Add for near vision needs e.g. mobile, tablet, PC
3. **Dominant eye:** Use the +1.00D blur method
4. **Inital lens selection:** Select your initial lens based on your wearer's ADD



LOW

Centre near vision

Natural transition through near, intermediate and far



HIGH

Decentred near zone

Dynamic stabilisation zones
Temporal indicator

Initial lens selection

Add	Dominant eye	Non dominant eye
+0.75 to +1.75	LOW	LOW
+2.00 to +2.50	HIGH	HIGH

Near vision enhancements

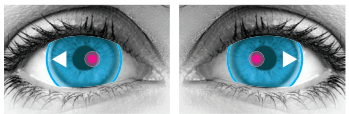
Dominant eye	Non dominant eye
LOW	LOW +0.25D
HIGH	HIGH +0.25D

Distance vision enhancements

With LOW		OR	With HIGH	
Dominant eye	Non dominant eye		Dominant eye	Non dominant eye
LOW -0.25D	LOW		HIGH	HIGH

Distance vision enhancements are generally not needed for wearers of the HIGH design due to the decentred near vision zone. If necessary follow the same principles as for low add.

10 minutes
'real world' adaptation



HIGH design temporal indicator
Triangle pointing to your ears!

HIGH design
with temporal indicator

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Vision

83% first lens fitting success and 100% within two lenses.[1]

Top tips for a successful multifocal fitting

Setting expectations:

Start by talking to your wearer and agreeing an initial goal.

- What does the patient want vs what is realistically achievable?
- Is their prescription within acceptable range. e.g. cyl no more than 1.00 DC?

Refraction:

Getting these right BEFORE you select your lens sets you up for a successful fit.

- **Spectacle prescription:** Always start with a new subjective refraction
- **Best vision sphere:** Remove cyl, leaving just the spherical component in the trial frame. Blur the Left eye with +1.00D and refine the Right eye to best vision using +/- 0.25 steps. Repeat for Left eye with blur lens over Right eye
- **Max plus and binocular balance:** Ensures eyes are relaxed and working together
- **Lowest near Add:** Establish this using appropriate near vision tasks e.g. mobile phone, watch, PC etc.
- **Vertex Distance:** Don't forget for +/- 4.00 or greater this can make all the difference

Dominant eye:

Knowing the dominant eye is useful for refining a prescription.
Use the +1.00 blur method: **the eye which accepts blur least well is the dominant eye.**

10 minutes 'real world' adaptation

After selecting the initial lens, allow your wearer time to check their vision in 'real world' situations such as mobile, PC, road signs etc.

HIGH design temporal indicator

Show wearers how to apply lenses with the small blue triangle pointing towards their ears!
This is important to ensure the near zone locates correctly.

Optimising vision:

Always push the plus for distance and preferably keep the add choice the same in both eyes. For vision enhancements follow our suggestions on the fitting guide. Remember no two presbyopes are the same, some useful examples:

- Myopes and emmetropes may prefer the HIGH design earlier
- Some hyperopes may prefer to remain with the LOW design with extra plus in the distance
- Younger presbyopes requiring good distance vision e.g. driving at night, may benefit from the decentered near zone of two HIGH lenses.

Dispensing:

Once your patient is comfortable with their vision allow adaption in their own time and environment before review and final dispensing.

Product Specifications

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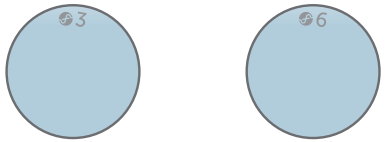
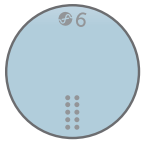
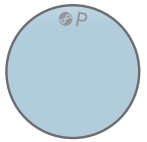
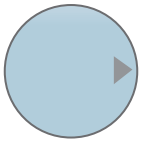
		Sphere	Toric	Multifocal
Characteristics	Material	asmofilcon A (Silicone hydrogel)		
	Water Content	40%		
	Dk/t @ -3.00D	161x 10^{-9}(cm/sec) • (mLO_2/(mL x mmHg))		
	Centre Thickness	0.08mm @ -3.00D		
Parameters	Diameter	14.00mm		14.20mm
	Base Curve	8.3mm/8.6mm	8.6mm	8.6mm
	Sphere	+6.00D to -13.00D	+4.00D to -10.00D	+6.00D to -13.00D
		0.25D steps 0.50D steps *No plano +6.00 -6.00 -13.00	0.25D steps 0.50D steps +4.00 -6.00 -10.00	0.25D steps 0.50D steps +6.00 -6.00 -13.00
	Cylinder, Axis		-0.75D, -1.25D and -1.75D 10˚ around the clock	
			-2.25D Axis: 10˚, 20˚, 90˚, 160˚, 170˚, 180˚	
	Addition			LOW / HIGH
Lens Marking				 
Wear		Daily wear monthly replacement		
Packaging		Available in 3 and 6 Packs		

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