

Enjoy the comfort of Balansis

LIFESTYLE

BALANSIS

We continuously listen to the experiences of progressive wearers. Research into what progressive wearers find important in new glasses leads to a unanimous conclusion: comfort is by far the most important factor. Expectations that are on top of everyone's wish list are easy adaptation and stable vision*. An attractive price or appearance consistently come second. Balansis is Hoya's response to these expectations.

What Balansis brings

Balansis is Hoya's new progressive lens that makes advanced technologies available for more wearers. Incorporating three proven Hoya technologies, Balansis provides great visual comfort to carry out all modern everyday activities at every viewing distance.



Common adaptation issues for progressive wearers



Peripheral Blur

Not seeing clearly through all parts of the lens, especially the sides of the lenses.



Unnatural Head Posture

Difficulty with finding the near vision area. Needs to tilt their head to the correct angle to read clearly.



Sway Effect

Feels unsteady when walking up or down stairs. Experiences a floating feeling from head movements and when moving around.

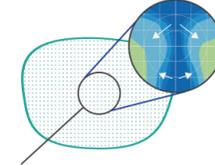
HOYA'S SOLUTION: Technology & benefits



View Xpansion

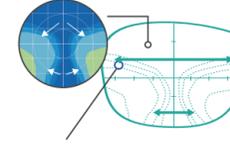
Maximises the clear visual field by minimising blur in the outer area of the lenses

Standard lenses



In standard progressives, a sharp image is only offered when looking straight ahead. Just the centre portion of the lens is improved to reduce aberration & distortion, resulting in distortion when looking through the edges.

Balansis lenses



In LifeStyle Balansis, View Xpansion takes into account the entire uncut lens. The power distribution of the entire lens is recalculated to expand the clear visual field to the periphery of the lens, creating a wide, distortion-free viewing area at all viewing distances.



Integrated Double Surface Design

Reduces distortion and provides natural head posture during near work

Hoya's patented and award-winning Integrated Double Surface Design separates the surface geometry of progressive lenses into the vertical and horizontal components. The two components are positioned individually on each of the two lens surfaces. This technology widens visual fields in all directions and offers less eye rotation from far to near and vice versa.

Distortion



Front Surface

Front Vertical Progressive Components

The vertical progressive component is placed on the convex surface of the lens to ensure less eye rotation from far to near and vice versa.

Distortion



Back Surface

Back Horizontal Progressive Components

The horizontal progressive component is placed on the concave surface of the lens to ensure wider fields of view at all distances.



Integrated Double Surface Design

Best positioning of both surfaces in relation to each other

The combination of both vertical front and horizontal back components creates a cancellation effect which provides a natural image perception with less image deformation.

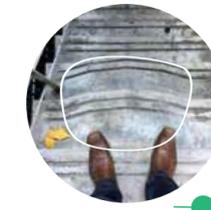


Stable View

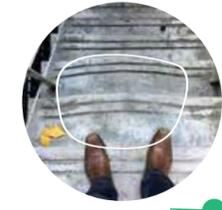
Reduces the unpleasant swim and sway effect when moving around

When expanding the clear visual field to the sides of standard progressive lenses, the unwanted astigmatism power increases which leads to differences in spectacle magnification and this effect is known as 'skew distortion' where objects may appear tilted or even curved. It's particularly noticeable when walking up or down stairs.

Hoya's evaluation simulates a central circular target which gradually moves away from the centre of the lens. Stable View identifies the circular target that becomes ellipse due to skew deformation and applies numerical optimisation to reduce the unwanted astigmatism at each segment of the lens, reducing the spectacle magnification of LifeStyle Balansis to its minimum. Stable View reduces the sway distortion especially at the oblique axis, providing a natural viewing experience for its wearers. No matter how active the wearer's life, the image remains stable.



Sway Deformation Index on Standard Progressive Lenses



Sway Deformation Index on Lifestyle Balansis

Lens Comparison Chart



Standard Multifocal lenses

Standard multifocal lenses have large distortion areas at the sides of the lens. Common complaints include a 'swim and sway' feeling when moving around and vision problems when changing focus between near and far distance.



LifeStyle Balansis lenses

LifeStyle Balansis lenses take the common progressive lens adaptation issues into consideration and offer overall visual comfort to wearers.



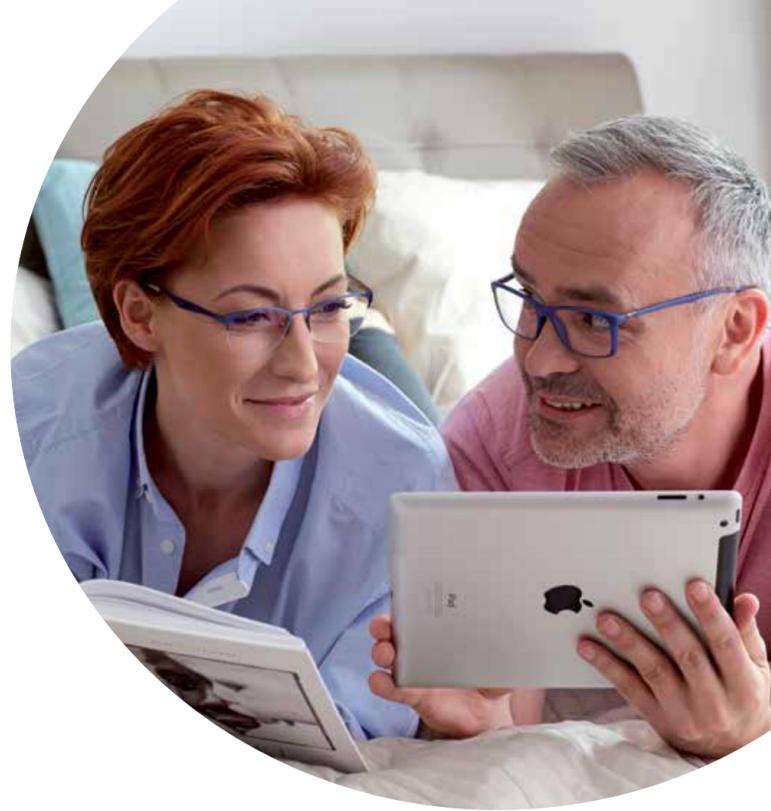
LifeStyle V+ Clarity/Harmony lenses

LifeStyle V+ lens designs consider the wearer's lifestyle and wearing parameters* and is suitable for a wide range of frames.

Summary of Hoya technologies and benefits

TECHNOLOGY	BENEFITS	MYSTYLE V+	LIFESTYLE V+	LIFESTYLE BALANSIS	DYNAMIC PREMIUM	DYNAMIC PRIME
INFINITE OPTICS	Offers a unique design to best match the different needs of the wearer	✓				
TOTAL ANALYSIS	Analyses past wearing experience to ensure quick adaptation	✓				
BINOCULAR HARMONISATION	Enables effortless focusing, constant stability, excellent depth of vision & comfortable binocular vision	✓				
POSITION OF WEAR*	Better vision as lenses are customised to the face features & position of frame	✓				
LIFESTYLE ADAPTIVE	Lens design customised to your lifestyle	✓	✓			
AUTO ADJUST	Automatically adjusts the lens clear zone to coincide with the eye's centre for clear visual fields at all distances	✓	✓			
MODERN FRAME PARAMETERS	Suitable for a wide range of frames	✓	✓	✓		
INTEGRATED DOUBLE SURFACE DESIGN	Minimises visual distortion. Lessens the eye movement required	✓	✓	✓		
VIEW XPANSION	Maximises visual field to the sides of the lenses	✓	✓	✓	✓	
STABLE VIEW	Reduces unpleasant sway effect when moving around	✓	✓	✓	✓	
POWER OPTIMISER	Optimises the balance between visual field and the sway effect	✓	✓	✓	✓	✓
NEARMAX	Maximises the clear near visual field	✓	✓	✓	✓	✓
QUICFOCUS	Offers natural head posture for near work. Enables quick focusing from far to near	✓	✓	✓	✓	✓
EASYSKAN	Reduces face turn required when viewing side objects	✓	✓	✓	✓	✓
NATURAL IMAGE ENHANCER	Introduces a uniform curvature at the front of the progressive lens which produces natural images	✓	✓	✓	✓	✓
EYE TRACKING	Accurate calculation to ensure eyes perceived power even on the periphery of the lens	✓	✓	✓	✓	✓

*For selected designs



LIFESTYLE

BALANSIS

Availability Chart:

PRODUCT	INDEX	COATINGS							
		HARD	VP	VP BLUECONTROL	SFT	DIAMOND FINISH	DF BLUECONTROL	UV CONTROL	SENSITY
LIFESTYLE BALANSIS	1.50	✓	✓	✓	✓	✓	✓	✓	✓
	1.53	✓	✓	✓	✓	✓	✓	✓	✓
	1.60	✓	✓	✓	✓	✓	✓	✓	✓
	1.67	✓	✓	✓	✓	✓	✓	✓	✓
	1.74	✓	✓	✓	✓	✓	✓	✓	✓

For more information on our products and services, please contact your local Hoya Sales Consultant.

Advanced technology for comfortable vision



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www.hoyalens.com.au

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FOR EASY ADAPTATION

