

SWISSCOAT Progressive

SWISSCOAT Genius

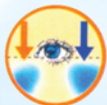
At the doorstep of a new century, you have a chance to recreate perfect vision with SWISSCOAT GENIUS advanced Eye-Point Technology has enabled the development of this new lens - making it the first progressive lens designed through and exact simulation of the human eye. Recreating perfect vision, it allows labs and opticians to adjust the lens to their patients, rather than adjusting the patient to the lens.

SWISSCOAT's Eye-Point Technology is a radical departure from conventional progressive lens analysis tools. Its key element is a dedicated ray tracing program written by scientists. This sophisticated technology takes into account numerous parameters:

- lens index refraction
- lens prescription
- lens center thickness
- distance from the eye to the back vertex of the lens
- distance from the lens to the object
- object's angular position in the eye's field of vision
- pantoscopic tilt of the frame
- pupil distance
- thickness reduction prism, and more.



SWISSCOAT Genius is the ultimate precision - engineered progressive lens for accurate, individualized design for every angle, every vision zone and every prescription. Your patients will immediately sense the difference because of the following benefits:



Surround Vision : SWISSCOAT Genius ensures improved peripheral vision because it is designed through an exact simulation of the eye.



Prism Balance : SWISSCOAT Genius guarantees perfect Binocular Vision, enabling patients to clearly perceive an object's depth and dimension.

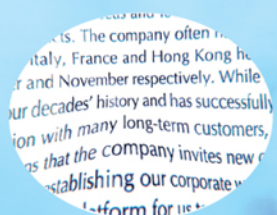


Super Clarity : SWISSCOAT is based on SWISSCOAT's advanced Eye-Point Technology, vision clarity is enhanced even more, bringing it to an optimal level in every vision zone.

Soft Design : A technological breakthrough, SWISSCOAT's Eye-Point Technology ensures the softest lens design for every vision zone.

Pure Asphericity : Aspheric in all its vision zones, SWISSCOAT Genius is the thinnest possible lens.

Perfect Adaptation to all Frames Sizes : SWISSCOAT Genius is designed for a variety of frame sizes - small and large alike.



SWISSCOAT Genius



Conventional Progressive

SWISSCOAT Genius technical specification

MINERAL

Lens Type	GN16	GN17	GN18
Index	1.61	1.7	1.8
Lens base colour	Clear/ PBX/ PGX	Clear	Clear
Max. Diameter(mm)	70+5	70+5	65+5
Total Power Range	+7.50 ~ -14.50	+2.00 ~ -15.50	-2.75 ~ -20.00
Addition	A+0.75 ~ A+3.50	A+0.75 ~ A+3.50	A+1.00~A+3.00
Base	1.5/2.25/3.5/4.5/5.5/6.75	1.5/2.25/3.5	1.5/2.25/3.5
Fitting Height	19mm	19mm	19mm
A.R. coating	Green / Purple Red	Green / Purple Red	Green / Purple Red
Colour Tinting**	Yes	Yes	Yes

** Mineral lens colour tinting 12%,25%,50%,75% and 90% (Brown colour only)

PLASTIC

Lens Type	GN15	GN16	GN167	GNPZ
Index	1.5	1.61	1.67	1.5
Lens base colour	Clear/ Transitions (Brown/Grey)	Clear / Transitions (Brown/Grey)	Clear / Transitions (Brown/Grey)	Polarized (Brown/Grey)
Max. Diameter(mm)	72+5	75+5	75+5	75+5
Total Power Range	Clear	+6.75 ~ -11.00	+8.00 ~ -12.25	+8.50 ~ -16.50
	Transitions Brown / Grey	+4.00 ~ -8.00	+7.00 ~ -10.00	+5.50 ~ -11.00
Addition	A+0.75 ~ A+3.50	A+0.75 ~ A+3.50	A+0.75 ~ A+3.50	A+1.00 ~ A+3.00
Base	1.5/3/5/6.5/7.5	1.5/3/5/6.5/7.5	1.5/3/5/6.5/7.5	3.0/5.0/7.5
Fitting Height	19mm	19mm	19mm	19mm
A.R. coating	Green	Green	Green	Green
Mirror coating	Yes	Yes	Yes	Yes
Supreme COAT	Yes	Yes	Yes	Yes
Colour Tinting	Yes	Yes	Yes	No