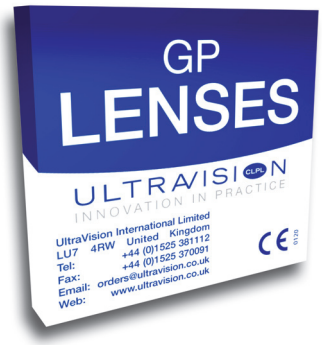
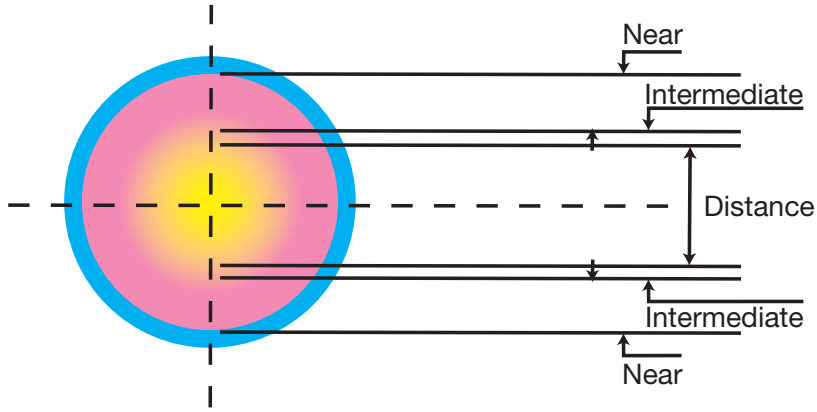
SAM® MF GP (MULTIFOCAL)



The SAM® MF GP (Multifocal) is available in a wide range of materials and incorporates our award-winning SAM® (Spherical Aberration Management) calculation process. SAM® offers superior vision to the presbyopic wearer by providing aberration control in all zones of the lens.



Patented design — Provides precise and aberration controlled powers with a wider window for each optic portion

Multifocal — Allows superb distance, intermediate and near vision

Fully Flexible Fitting — Front surface design ensures standard fitting criteria with no compromise

Extensive Power Range — Available in Spherical and Toric form in an extensive range of prescriptions

The advanced optics are controlled on the front surface of each lens. Practitioners can therefore select their preferred back surface design, using normal fitting criteria. Unlike some back surface multifocal designs, there is no compromise on fit and wearers will not experience corneal moulding, spectacle blur or any of the other problems often associated with back surface multifocal optics.

Spherical

SAM® MF lenses are aplanatic concentric multifocals. This novel design is centre-distance, surrounded by a graduated power band and with an aplanatic reading zone. We recommend the Eureka aspheric back surface design with either a standard eccentricity of 0.45, or to your desired e-value.

Toric

Full Bi-toric design using the same precise multifocal regions as the spherical lens. We recommend the Eureka aspheric toric back surface design with either a standard eccentricity or to your desired e-value, with a constant axial edge lift maintained along the flat meridian for the complete design range.

Material	Optimum Extra*
Base Curve	6.50mm to 12.00mm (0.05 steps)
Diameter	8.90mm to 10.10mm (0.10 steps)
Lens Design	Centre distance concentric multifocal with SAM® aberration control
Power Range (D)	-30.00DS to +30.00DS (0.25 steps) Cyl -0.50DC to -6.00DC (0.25 steps) Axis: 1˚ to 180˚ (1˚ steps) Add: Up to +4.50DS
Centre Thickness	0.1mm to 0.25mm depending on power
Handling Tint	Light Blue
DK	100 x 10^{-11} (cm^2/sec) [ml O_2/(ml x mmHg)]
Wear Modality	Replacement 6 or 12 Monthly, for daily wear only
Pack Size	Single lens

SPHERICAL ABERRATION MANAGEMENT

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2006

* Available in all GP materials

Fitting Guide for SAM® MF GP (Multifocal)

Fitting Guidelines

The Practitioner provides the following parameters:

- Spectacle refraction including sphere, cyl, axis and add, as appropriate
- Back Vertex Distance (BVD)
- Keratometer readings (preferably with axes)
- Horizontal Visible Iris Diameter (HVID)
- Dominant eye
- Pupil diameter in normal light

Identification of the dominant eye enables a slightly larger area, for the near and near/intermediate powers, to be worked into the lens for the non-dominant eye. This promotes a more "comfortable" binocular relationship.

This information should then be passed to UltraVison Customer Services when placing your order.

Assessing The Fit

Due to back surface geometry and dynamics of the lens, the fitting criteria are the same as for most other single vision GP lenses.

A good fit should have the following characteristics:

- Centred well on cornea
- Movement good on blink with slight lid hitch
- Lens should translate well on downward gaze

A flat fit will have the following characteristics:

- Too much movement
- Poor comfort
- Unstable vision
- Requires a positive over-refraction

A steep fit will have all the following characteristics:

- Too little movement
- Will not translate well
- May have poor visual acuity
- Requires a negative over-refraction

Once an optimum lens fit has been achieved then fine tuning to the prescription can be carried out by over-refraction if necessary. This should be done binocularly with spheres for the distance first, and then carried out again for near. The results of the over-refraction should be sent to UltraVision who will then calculate the new prescription required.

Adjustments To Lenses

In the event that adjustments are required, we request that practitioners do not make their own adjustments, and instead supply symptomatic details of any problems along with any refractive information direct to UltraVision. The Clinical Services Department who have access to the details of the complex structure of the lenses, will then determine the final specification of the lens to be made. This will enable the laboratory to effect the best combination of adjustments whilst retaining all the benefits of the SAM® technology.

Important Notes on Aftercare Visits

- As with all progressive multifocal corrections, there is an adaptation period of at least one week of regular wear
- Minor with-the-rule astigmatic errors may be ignored if the patient copes without this correction in their spectacle Rx or single-vision soft lenses
- Should unsatisfactory vision result from a lens, an over-refraction* should be performed, first for the distance, then, independently for the near

*The use of pinholes or similar techniques in over-refraction of the SAM® Multifocal is ineffective as an aid to evaluating visual results.

ULTRAVISION CLPL
INNOVATION IN PRACTICE

UK Order Line: 0800 585115 (Freephone)
ULTRAVISION INTERNATIONAL LIMITED, COMMERCE WAY, LEIGHTON BUZZARD, BEDFORDSHIRE, LU7 4RW, UNITED KINGDOM
Tel: +44 (0)1525 381112 Fax: +44 (0)1525 370091 Email: orders@ultravision.co.uk Web: www.ultravision.co.uk