Optics
Special Optics

Multilens is a unique company within special optics

MULTILENS
OPTICAL SOLUTIONS

It all started in a garage

Multilens is a world-unique specialist company within the optical sector. We tailor optical solutions for every need.
From the beginning, our only goal has been to focus on the eyes, vision and visual function.

Multilens was set up in 1983 by Lars Hellström, who after 35 years in the optical business decided to focus on the most exciting challenge: developing special optic solutions that could solve difficult optical problems. Together with opticians, optometrists, eye care practitioners and eye doctors he created innovative special optics. Within a short space of time the whole Hellström family was committed and Multilens have since become leaders in low vision optics, helping thousands to enjoy
a better visual experience.

Filter glasses can also be very beneficial to people with normal vision. They give your eyes the best protection against harmful light and the level of comfort is higher, meaning you never have to squint or suffer from sunlight-induced headaches. Another benefit is improved contrast vision.

We call it ‘High Vision’.

Need more information?

Do you have questions about our products or need more information? Contact us or check out our websites.

Web: **www.multilens.com**

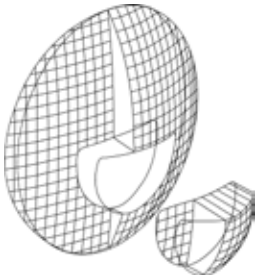
E-mail: **info@multilens.com**

Tel: **+46 31 88 75 50**

MULTILENS
OPTICAL SOLUTIONS

HIGHLIGTHS

Optio



Standard glasses may not always be the optimal choice for competitive target shooters, fighter pilots or conductors.

Page 2:2

Upper segment

Addition is not only needed for reading.

Page 1:39-1:44 and 3:10

AMD Comfort

The ideal lens for AMD patients.

Page 3:3-3:8

ML Filter on index 1.6

We tint all ML Filter colours on 1.6-lenses.

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RX for sport frames

Sport frames are challenging. But not too challenging.

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Bifo Relax

High addition without eye strain

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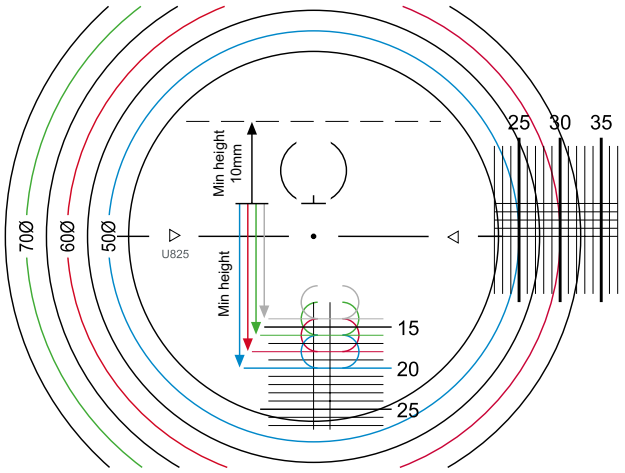
MLLENSPROGRAM



It's widely known that Multilens is good at producing odd solutions and high powers. We also have a complete lens program that is produced with the latest freeform technology. Our lens program is ranged from simple single vision to individualized progressive designs. We can still produce higher powers and larger diameters than most labs can. By always trying to expand our limits, it's impossible to exactly tell you in print what is possible or not. We have tried to include as much information as possible in this catalogue. If you are uncertain if we can produce lenses with the parameters you desire, please contact us and ask. The answer is probably yes.

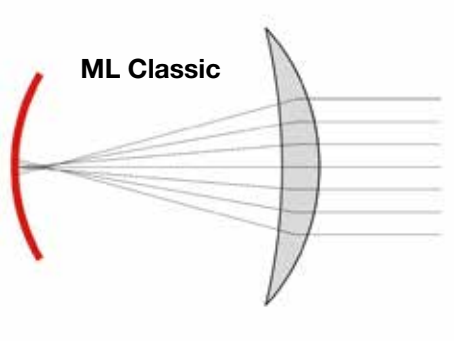
MULTILENS
OPTICAL SOLUTIONS

OUR OPTICAL QUALITY LEVELS

Within our lens program, we are able to provide everything from simple optics to the most advanced individualized designs, of course always with a very generous power range. The difference between the different levels of optics is the final image quality. There are many factors that determines whether the wearer recognize these differences, such as powers, frame shape and what input data has been considered. Some are more sensitive to these differences than others. There is also a difference in how much we are ready to pay for quality optics.

ML Classic

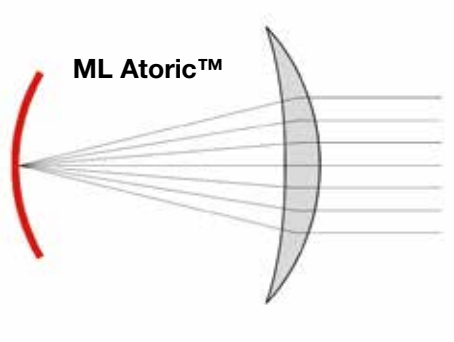
Traditional spherical optics.



Both front and back surface has spherical geometry.
ADVANTAGE: Simple technology, easy and straight forward to produce.
DISADVANTAGE: The peripheral part of the lens refracts the light too much which causes a discrepancy in the focus points between the central part and the peripheral part, espescially with oblique gaze directions. With other base curves than specified by the Best Form theory, optical quality is decreased.

ML Atoric™

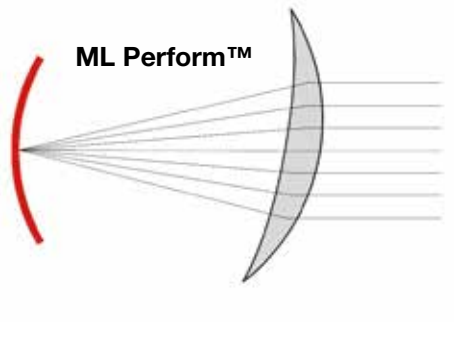
Back side atoric optics.



A traditional aspheric lens generally has a molded front surface to compensate the aberrations caused by the flatter base curves. ML Atoric™ compensates the aberrations in a better way than aspheric lenses, since it compensates for the exact individual power in both meridians.
ADVANTAGE: Higher optical quality and a possibility to produce a little flatter and thinner lenses without loosing optical quality.
DISADVANTAGE: Only compensates for a non-tilted lens.

ML Perform™

Back side 3D fully optimized optics.



The ML Perform™ technology is a state-of-the-art technology based on an accurate simulation of the eye-lens model. ML Perform™ technology provides the best possible optical balance considering power, visual angle, pantoscopic tilt, frame form angle, prism, frame shape etc. In summary, this calculation takes into account all the variables that may have influence on the final visual quality. Possible to include frame variables to make it even more individualized. These are: Cornea Vertex Distance (CVD), Face Form Tilt (FFT) and Pantoscopic Tilt (PT).
ADVANTAGE: A fully balanced and optimized optical solution. Highest possible optical quality and truly personalized.
DISADVANTAGE: This advanced lens needs more specific input and precise fitting for best performance.

PROGRESSIVE DESIGNS

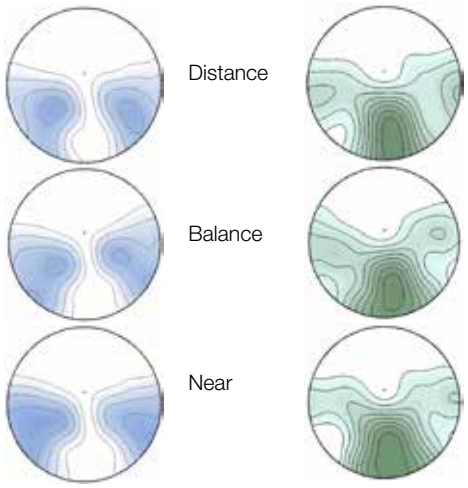
In addition to individualize the optical quality, we have a number of ways to personalize our progressive designs to meet the demands from each individual. It's hard to use only an eye exam to determine which type of progressive design a person should use. The intended use of the glasses, behavior and previous experience from progressive lenses influence to a great extent which design to choose.

Focus on distance or near

Distance:
A displacement of the distortions towards a wider field of view in the distance part of the lens and a narrower near part.

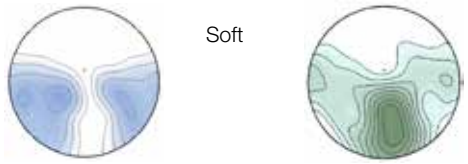
Balance:
Good compromise between distance, intermediate and near.

Near:
A displacement of the distortions towards a wider field of view in the near part and in the corridor. The distance part is slightly narrower.

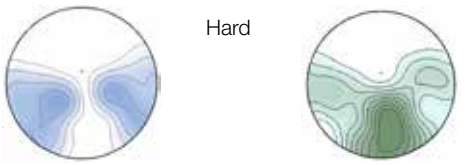


Soft or hard design

Soft design (Soft):
Smoother transition between the different parts of the lens. Easier adaption with less peripheral distortion and less sway. Decreases the optical zones. Suitable for new presbyopes with lower additions and people that are in a dynamic environment. Can also be preferred by myopes that naturally uses a smaller part of the lens.



Hard design (Clear):
Quicker transition between the different parts of the lens. Larger distortion free areas. More peripheral distortion and more sway can be experienced. Suitable for experienced presbyopes and people that has a more static environment. A harder design can also be preferred by hyperopes.



Corridor lengths

Our progressive lenses have up to four different corridor lengths to choose from. We always indicate the minimum fitting height. The most important factor that influences the choice is the frame height and pupil height but there are more factors involved. If you are used to a compact lens with short corridor and happy with that solution, you should not change that. See information to the right for more factors to take into account.

Other factors influencing corridor lenght:

Short corridor is preferred with

- Short CVD (cornea-vertex distance)
- Myopia
- Anisometropia

Long corridor is preferred with

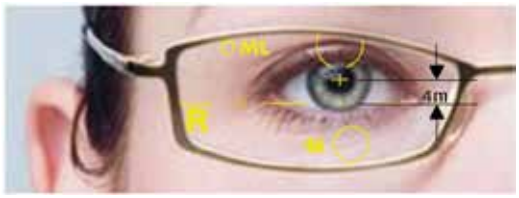
- Long CVD (cornea-vertex distance)
- Hyperopes

FITTING, DECENTRATION AND ENGRAVINGS

Fitting

Progressive

All our free form progressive lenses should be fitted with the fitting cross in center of the pupil, 4 mm above the engravings. Image Classic, Concise Classic and Desktop Perform has the cross 2 mm above the engravings.



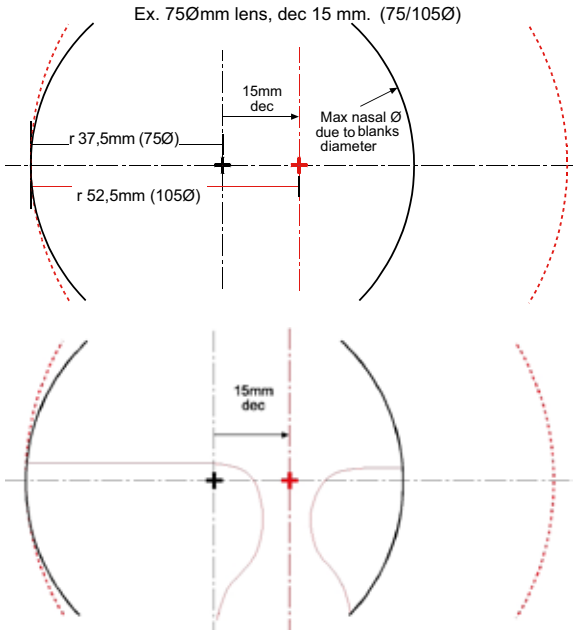
Single vision

Perform SV is fitted with the fitting cross in center of pupil, 4 mm above the engraving.
Atoric SV is fitted so the optical axis of the lens passes through the rotation center of the eye.
There are two ways to easily do this:

- Ask the patient to raise the chin to a position where the front of the frame is vertical. Mark the lenses with a horizontal gaze direction.
- For normal vertex distances, lower the fitting height 0.5 mm per degree of pantoscopis tilt.

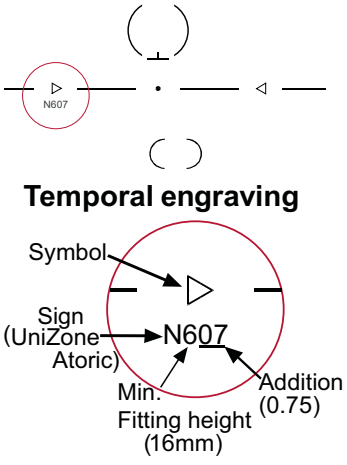
Diameter and decentration

In most cases, the optical center can be displaced from the geometrical center with up to 15 mm. This gives us an opportunity to produce lenses with a radius from OC to temporal edge of more than 50 mm. This calculation is automatically done when frame shape is sent in.



Engravings

All our progressive lenses are laser marked with the design and addition value. Similar to the standard we have the centration marks 34 mm apart with the prism reference point in the middle.
Sometimes when there is a small Myosoft or Hypersoft zone, we have to decrease this distance. The prism reference point will always be centered between these marks. In these cases, we will use a distance of 26 mm between the engravings.



SPECIAL GRINDING

Diamini

Full optimization of plus lenses. Lowest vertical diameter, optimized base curve and optimized thickness.
Diamini is always included when frame shape or diameter is available.

Hypersoft

Thickness reduction for plus lenses with a soft overlap from optical zone to carrier. The optical zone will be adjusted according to power and frame shape.
Available on all lenses.

Myosoft

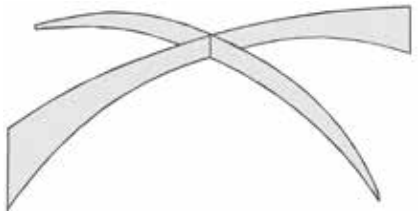
Edge reduction for minus lenses with a soft overlap from optical zone to carrier. The optical zone will be adjusted according to power and frame shape.
Available on all lenses.

Myolenti

Edge reduction for minus lenses with a sharp overlap from optical zone to convex carrier. The optical zone will be adjusted according to power and frame shape.
Available on all Classic lenses. Recommended for higher powers than Myosoft.

Combi cylinder

Optimization of lenses with high cylinder. The cylinder power is divided on both sides of the lens. Gives a higher optical quality and better aesthetics.
Available on all white lenses in index 1.5, 1.6 and 1.67.



Biconvex / Biconcave

A biconvex or biconcave grinding.
Biconvex: Available on all Classic lenses.
Biconcave: Available on all white Classic lenses.

Formlenti

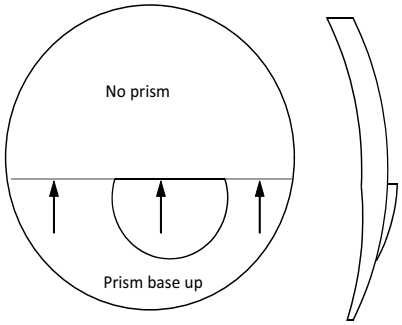
Edge thickness reduction through cutting lens material away based on the shape of the frame.
Available on all lenses.

ML Grand

A grinded image magnifier of 1-9 %. For balancing aniseikonia (one lens) or for achieving a small amount of magnifying effect (both lenses). Note that due to limited range of blank thickness and curves, high magnification is not always possible.
Available on all lenses.

Slab-off

Prismatic grinding used to balance anisometropia. Slab-off is applied only to half of the lens. In general, the lower part of the lens with most minus/least plus gets a base up prism.
Available on all lenses.



Balance lenses

It's possible to order a balance lens at a reduced cost. Just put a note about balance lens on the order. This means that deviation from ordered pd and small defects on the surface is allowed.

OUR STOCK LENSES

We have a lot of different stock lenses for different purposes.

EC STOCK CLASSIC

We offer some economic stock lenses with different coating options. We don't keep this on stock ourself so the delivery time is a few days longer. See exact range in the price list.

STOCK CLASSIC

Our standard stock products is possible to coat with our premium coatings. Also possible to tint in all our filter colours or other tints. See the price list for exact power and diameter range.

PLANO STOCK LENSES

Our plano stock lenses with different thickness and base curves are meant to be used for tinting and as mounting lenses for our systems.

- Plano with base curve 6 and center thickness 2.2 mm
- Plano with base curve 6 and center thickness 3.2 mm
- Plano with base curve 8 and center thickness 2.2 mm (with prism compensation)

PLANO FILTER LENSES

We have a wide range of plano stock lenses including ML Filter. Most lenses are made of Polycarbonate and includes SunCoat. They are available in base curve 6 and 8, with and without polarization. For UV, ML Filter 400, ML Filter 585 in base curve 8, the lenses are made of CR39 with ML Prima Sun.

We also have plano PC lenses with MultiCoat with LLR and ML41. These are available in base cureve 4 and 6.

	PC SC Bas 6	PC SC Bas 8	CR39 PS Bas 8
	Ytbeh: SunCoat	Ytbeh: SunCoat	Ytbeh: SunCoat
Filter	●	○	□
POL 1	●	○	□
POL 3	●	○	□

● Finns med ML Filter: 400, C1, 450, 500, 511, 527, 550 och 585
○ Finns med ML Filter: C1, 450, 500, 511, 527 och 550
□ Finns med ML Filter: UV, ML Filter 400 och 585

SIZE PLANO FILTER LENSES

The plano stock lenses are available in different sizes:

PC Base 6 w/o pol	HBox: 72 VBox: 53
PC Base 6 with pol	HBox: 72 VBox: 53
PC Base 8 w/o pol	HBox: 77 VBox: 53
PC Base 8 with pol	HBox: 77 VBox: 53
CR39 Base 8 w/o pol	Ø 75
CR39 Base 8 with pol	Ø 72

PLANO DRIVEWEAR LENSES

We have plano lenses with Drivewear technology. Drivewear is both polarized and photochromic and have a base tint of 65 %. These lenses are made of the material Trivex. Trivex has a high durability and should be edged with same method as polycarbonate. All plano drivewear lenses also have a Suncoat on the back surface.
We also have plano PC lenses with MultiCoat with LLR and ML41. These are available in base curve 4 and 6.

OCCLUSION LENSES

We have four alternatives for occlusion:

- White occlusion - a frosted lens
- Cosmetic occlusion - a special occlusion that makes the eye visible behind the lens and still provides a significant occluding effect
- Beige occlusion - a frosted lens with beige colour
- Black occlusion - a black occlusion

OUR COATINGS

ML Prima+

Using the very latest in coating technology, where
all parameters have been upgraded. Increasing transmission, more than 35% improved scratch resistance and an antistatic layer which significantly reduces dusts and spots. Finally, a satin layer that gives the lens a very slippery surface to make it really easy to clean.

ML Prima+ Sun

A coating designed for sunglasses. Both front and back surface has ML Dura to provide the best scratch resistance. The back surface has an
ML Prima to increase the comfort and to reduce
annoying reflexes on the back side of the lens.

MultiCoat

An antireflective coating on both surfaces of PC lenses.

SunCoat

A coating for PC lenses. Both front and back surface have a hard coat, but the back side also has an antireflective treatment. This increases comfort and reduce reflexes from the back side of the lenses.

ML Dura

Our hard coat treatment for improved scratch resistance. Both sides of the lens are treated.

OUR POLARIZED AND PHOTOCHROMIC OPTIONS

Polarized

NuPolar® polarized lenses

	Pol 1 Grey	Pol 3 Grey	Pol Green (G15)	Pol Brown
				
Index	1.5	1.5-1.67	1.5	1.5-1.67
Absorption	65 %	83 %	85 %	78 %
Polarization	99 %	99 %	99 %	99 %

Photochromic

Transitions® Signature™ ADAPTIVE LENSES

Transitions® XTRActive™ ADAPTIVE LENSES

	Grey	Brown	Grey
			
Index	1.5-1.67	1.5-1.67	1.5-1.6
Absorption	3-85 %	3-85 %	20-90 %
Polarization	-	-	-

Polarized and photochromic

Transitions® DriveWear®

	
Index	1.5
Absorption	68-85 %
Polarization	95 %

Note: Transition lenses and Drivewear cannot be ordered uncoated.

OUR MATERIALS

INDEX	1.50
MATERIAL	CR-39
ABBE	59
DENSITY	1.32
UV BLOCK (390 nm)	95%*

Advantages:

- Low cost material
- Easy to tint
- Easy to edge
- Stable coating
- High abbe number

Disadvantages:

- Not suitable for nylor and rimless
- Low index

INDEX	1.60
MATERIAL	MR-8
ABBE	42
DENSITY	1.30
UV BLOCK (390 nm)	100%

Advantages:

- High tensile strength
- Best material for nylor and rimless
- Thinner than 1.5 index (≈20%)
- Tinting possible
- Stable coating

Disadvantages:

- Sometimes difficult to tint dark sun colors
- Some special tints can be difficult

INDEX	1.67
MATERIAL	MR-10
ABBE	32
DENSITY	1.35
UV BLOCK (390 nm)	100%

Advantages:

- High tensile strength
- Suitable for nylor and rimless
- Thinner than 1.6 index (≈10%)

Disadvantages:

- Not possible to tint
- Low abbe number
- Small thickness reduction compared to added cost

INDEX	1.74
MATERIAL	MR-174
ABBE	33
DENSITY	1.47
UV BLOCK (390 nm)	100%

Advantages:

- Thinner than 1.6 index (≈20%)
- High tensile strength
- Suitable for nylor and rimless
- Can be tinted

Disadvantages:

- Low abbe number

* = Of all UV light. 100 % UV block up to approximately 350 nm

MATERIAL	PC
UV BLOCK (390 nm)	100%

Advantages:

- Tint stability
- Durable
- Affordable

Disadvantages:

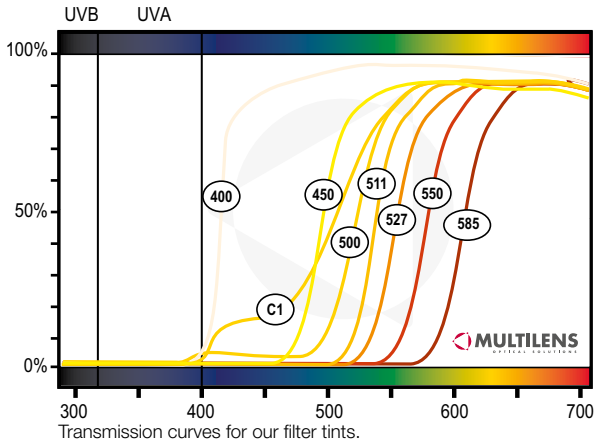
- Only plano lenses
- Only standard coatings and tints

ML FILTER AND OTHER TINTS

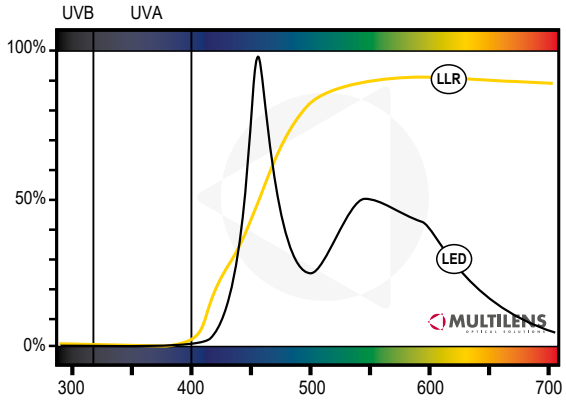
We have a long experience of filter colours to increase contrast and comfort. They have a well proven effect to increase contrast sensitivity, especially for low vision patients.
Combine filter colour with a polarized layer to get enhanced contrast vision in sunglasses.

All ML Filter have 100 % blocking of UV light up to 400 nm

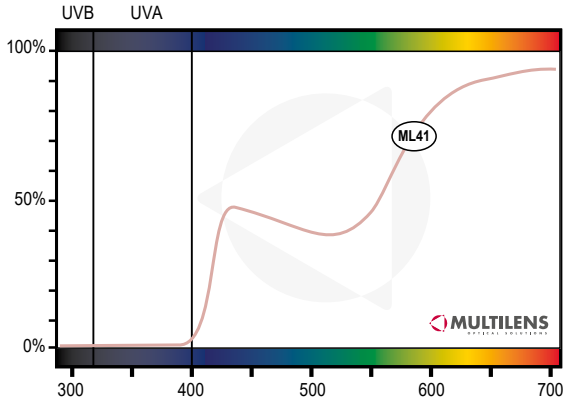
400	Absorbs some of the light up to 420 nm	Colour: Light beige
C1	Absorbs 80 % of all light up to 450 nm	Colour: Yellow
450	Absorbs all light up to 450 nm	Colour: Lemon
500	Absorbs 95 % of all light up to 500 nm	Colour: Yellow
511	Absorbs all light up to 511 nm	Colour: Orange
527	Absorbs all light up to 527 nm	Colour: Dark orange
550	Absorbs all light up to 550 nm	Colour: Red
585	Absorbs all light up to 585 nm	Colour: Dark Red
LLR	Absorbs some of the light up to 500 nm	Colour: Light yellow
ML41	Filter to reduce visual stress	Colour: Pink



Transmission curves for our filter tints.



Due to technical reasons, high intensity light sources with LED technology have a wavelength spectrum shown above. Our LLR filter eliminates most of the peak around 450 nm without compromising night vision. See more information in our filter documentation.



ML41 is a filter tint with pink colour that has been shown to provide increased comfort for many patients. Especially good for:

- Relieve migrain symptoms
- Reduce visual stress, especially for patients with brain traumas with some kind of effect on the visual function.
- Reduce visual symptoms with blepharitis

AVAILABILITY FILTER TINTS

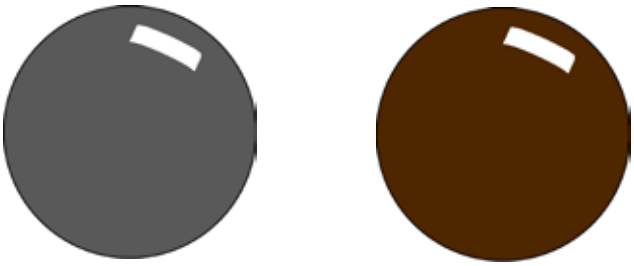
ML FILTER	400	C1	450	500	511	527	550	585	LLR	ML41
1.50	○	○	●	○	●	●	●	●	●	●
1.50 Pol	○	○	●	○	●	●	●	●	●	●
1.50 Trans	○	○	●	○	●	●	●	●	●	●
1.60	○	○	●	○	●	●	●	●	●	●
1.60 Pol	○	○	●	○	●	●	●	●	●	●
1.60 Trans	○	○	●	○	●	●	●	●	●	●

● = Compatible with Dura/Prima

○ = Small colour deviation might occur in combination with Dura/Prima

OTHER TINTS

We can tint almost any colour, including gradient. We are happy to recieve colour samples and we will do our best to mimic the colour. We have two colours that we see as standard colors. These are grey and brown. You can add this colour to an ML Filter if desired to have a darker lens. We can also tint lenses similar to our polarized options; Pol 1 (65%), Pol 3 (83%), Pol Brown (78%) and Pol Green (85%).



Our standard colours grey and brown (available in any absorption level):

UV PROTECTION

Our high index materials always have full UV protection. On 1.5 index, it's possible to add this feature. In our filter tints, a UV block is always included but with other tints, you have to add a UV block. With our UV block, 100 % of the ligth up to 390 nm is absorbed and 97 % of all light up to 400 nm.

ND FILTERS

Our ND filters are a special range of standardized grey colours. Available in four different absorption levels:

ML ND20 - 35 %
ML ND21 - 67 %
ML ND22 - 88 %
ML ND23 - 96 %

Single Vision
White, Polarized, Transitions and Drivewear

1.50 1.60 1.67 1.74

SV Perform™

SV Perform has fully optimized optics in all directions. Including calculations based on frame parameters.

Engravings
Sign: P **Symbol:** ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

SV Atoric™

SV Atoric is a back surface atoric design with an individualized aspherization in both meridians for all powers. Optimized calculations for all base curves. Should be fitted with the optical axis of the lens passing through the rotational center of the eye.

SV Classic

SV Classic has a classical design. The peripheral optical quality is decreased because of the spherical geometry. Especially when a changed base curved is desired or with a prescription with high cylinder power, SV Classic is not recommended.

Layers, Coatings and Tints

	Layers	1.50	1.60	1.67	1.74	Info
Pol	No Layer	✓	✓	✓	✓	-
Pol	Pol 1 Grey 65 %	✓				1:8
Pol	Pol 3 Grey 83 %	✓	✓	✓		1:8
Pol	Pol Brown 78 %	✓	✓	✓		1:8
Pol	Pol Green 85 %	✓				1:8
Trans	Transitions Signature Grey	✓	✓	✓		1:8
Trans	Transitions Signature Brown	✓	✓	✓		1:8
Trans	Transitions XTRActive	✓	✓			1:8
Trans	Transitions Drivewear	✓				1:8

	Coatings & Tints	1.50	1.60	1.67	1.74	Info
Coating	Uncoated	✓				-
Coating	ML Dura	✓	✓	✓	✓	1:7
Coating	ML Prima +	✓	✓	✓	✓	1:7
Coating	ML Prima Sun	✓	✓	✓	✓	1:7
Filter	ML Filter	✓	✓		✓	1:10
Filter	ML Filter and grey/brown	✓				1:11
Tint	Tint < 97 %	✓	✓		✓	1:11
Tint	Tint < 99 %	✓				1:11

Lens drawings

See page 1:45

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Single Vision White 1.5

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
SV Perform	+12	-15	-15	8
SV Atoric	+12	-30	-15	8
SV Classic	+12	-60	-30	20

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
35	-16	75/90	+12	35
45	-10	75/95	+12	45
55	-6.5	75/105	+9	55
65	-5	75/105	+6.5	65
75	-3.5	75/105	+5	75
95	-2	75/105	+3	75/103

Single Vision Polarized 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
SV Perform	+8	-15	-15	8
SV Atoric	+8	-28	-15	8
SV Classic	+8	-28	-15	12

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-16	75/90	+8	35
45	-10	75/95	+8	45
55	-6.5	75/105	+8	55
65	-5	75/105	+6.5	65
75	-3.5	75/105	+4	75/83
95	-2.5	75/105	+3	75/99

Single Vision Transitions 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
SV Perform	+8	-15	-15	8
SV Atoric	+8	-30	-15	8
SV Classic	+8	-30	-15	12

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-16	71/90	+8	35
45	-10	71/95	+8	45
55	-6.5	71/105	+8	55
65	-5	71/105	+6.5	65
75	-3.5	71/105	+5	71/76
95	-2.5	71/105	+3	75/105

Single Vision White 1.6

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
SV Perform	+12	-15	-15	8
SV Atoric	+12	-30	-15	8
SV Classic	+12	-60	-30	20

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
35	-20	73/85	+12	35
45	-13	73/95	+12	45
55	-9	73/105	+11.5	55
65	-7	73/105	+8.5	65
75	-5	73/105	+6	73/77
95	-3	73/105	+4	73/97

Single Vision Polarized 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
SV Perform	+10	-15	-15	8
SV Atoric	+10	-30	-15	8
SV Classic	+10	-30	-15	12

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-19	74/85	+10	35
45	-12.5	74/95	+10	45
55	-9	74/105	+10	55
65	-6.5	74/105	+8	65
75	-5	74/105	+6	74
95	-3.5	74/105	+3	74/105

Single Vision Transitions 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
SV Perform	+12	-30	-15	8
SV Atoric	+12	-30	-15	8
SV Classic	+12	-30	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-20	74/85	+12	35
45	-14	74/90	+12	45
55	-10	74/105	+12	55
65	-7	74/105	+9	65
75	-5.5	74/105	+6	74/82
95	-3	74/105	+4	74/105

Single Vision White 1.67

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
SV Perform	+16	-15	-15	8
SV Atoric	+16	-30	-15	8
SV Classic	+16	-30	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
35	-20	74/85	+16	35
45	-14	74/90	+16	45
55	-10	74/105	+12.5	55
65	-7	74/105	+9	65
75	-5.5	74/105	+6	74/82
95	-3	74/105	+4	74/105

Single Vision Polarized 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
SV Perform	+10	-15	-15	8
SV Atoric	+10	-30	-15	8
SV Classic	+10	-30	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-20	75/85	+10	35
45	-13.5	75/90	+10	45
55	-9.5	75/105	+10	55
65	-7	75/105	+8.5	65
75	-5.5	75/105	+6	75/79
95	-3	75/105	+4	75/99

Single Vision Transitions 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
SV Perform	+12	-15	-15	8
SV Atoric	+12	-30	-15	8
SV Classic	+12	-60	-30	20

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-16	75/90	+12	35
45	-10	75/95	+12	45
55	-6.5	75/105	+9	55
65	-5	75/105	+6.5	65
75	-3.5	75/105	+5	75
95	-2.5	75/105	+3	75/95

Single Vision White 1.74

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
SV Perform	+14	-15	-15	8
SV Atoric	+14	-30	-15	8
SV Classic	+14	-30	-30	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-20	70/80	+14	35
45	-16	70/90	+14	45
55	-11	70/90	+14	55
65	-8	70/100	+10	65
75	-6.5	70/100	+8	65/75
95	-4.5	70/105	+3.5	70/95

Single Vision High Powers

1.50

Lenti Atoric™

Lenti Atoric has a lenticular zone of 40 mm and have a back surface atoric design with an individualized aspherization in both meridians for all powers. Optimized calculations for all base curves. Should be fitted with the optical axis of the lens passing through the rotational center of the eye. Total lens diameter is 68 mm.

Lenti Classic

Lenti Classic has a lenticular zone of 40 mm and have a spherical design. The peripheral optical quality is decreased because of the spherical geometry. When a changed base curved is desired, SV Classic is not recommended. Total lens diameter is 68 mm.

Omega (Aspheric)

Omega has an optical zone of 40 mm with a seamless overlay to the carrier. Omega has an aspherical design. Total lens diameter is 67 mm.

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:45

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Single Vision High Powers White				1.5
Max possible power				
Lens	*Sphere*	*Sphere -*	*Cylinde*	*Prism*
Lenti Atoric	+22	+8	-10	6
Lenti Classic	+22	+8	-10	6
Center thickness for respective power				
Power	*ct*	*Max Ø*		
+10	6	68		
+12	7	68		
+14	8	68		
+16	8.5	68		
+18	9.5	68		
+20	10.5	68		

Single Vision High Powers White				1.5
Max possible power				
Lens	*Sphere*	*Sphere -*	*Cylinde*	*Prism*
Omega Aspheric	+24	+8	-10	6
Center thickness for respective power				
Power	*ct*	*Max Ø*		
+10	9.0	67		
+12	10.5	67		
+14	11.5	67		
+16	13.0	67		
+18	14.0	67		
+20	16.0	67		

Single Vision High Powers

1.50

X-Lenti

X-Lenti has an optical zone of 34 mm and with a spherical design. Because of the small zone, this is a good option for the really high powers. Also available as stock lenses with powers +12, +16, +20 and +24. Both stock options and RX options includes ML Filter 400 at the same price as untinted. Total diameter of 62 mm.

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:44

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Single Vision High Powers White	1.5			
Max possible power				
Lens	*Sphere*	*Sphere -*	*Cylinde*	*Prism*
X-Lenti	+26	+10	-6	-

Center thickness for respective power		
Power	*ct*	*Max Ø*
+10	5.0	62
+12	5.5	62
+14	6.2	62
+16	6.5	62
+18	7.4	62
+20	8.0	62

Hyperocular

Hyperocular is available in six powers described with magnification based on the equivalent power. The available options are: 4x, 5x, 6x, 8x, 10x and 12x. The optical zone is variable from 30 mm to 40 mm depending on power. Total diameter is 65 mm for all versions. See table below for description on how to measure Hyperocular.
Hyperocular is injection molded in PMMA. PMMA is rather scratch resistant but has poor UV protection.
Not possible to add coating or tints.

Measuring Hyperocular

Hyperocular is ordered in equivalent powers and will measure in a lens meter as follows:

Noted power	Lenti	Equivalent	Back vertex power
4x	40	+16	+18
5x	36	+20	+24
6x	34	+24	+27
8x	32	+32	+39
10x	31	+40	+52
12x	30	+48	+70

Single Vision High Powers

1.50

Lenti Optio Classic

Lenti Optio was previosuly called Child Lenti because the main purpose is for children with high plus powers and small frames. This can still be used for other high plus powers to reduce weight and thickness. Carrier lens is plano and the lenticular zone is possible to decenter to fit larger frames. The standard zone size is 30 mm. It is possible to order other sizes on demand.

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %	✓	1:8
	Pol 3 Grey 83 %	✓	1:8
	Pol Brown 78 %	✓	1:8
	Pol Green 85 %	✓	1:8
Trans	Transitions Signature Grey	✓	1:8
	Transitions Signature Brown	✓	1:8
	Transitions XTRActive	✓	1:8
	Transitions Drivewear	✓	1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:45

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Single Vision High Powers White	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
Optio Lenti	+32	+10	-6	6
Center thickness for respective power				
Power	*ct*	*Max Ø*		
+10	5.4	75/95		
+12	5.9	75/95		
+14	6.3	75/95		
+16	6.8	75/95		
+18	7.2	75/95		
+20	7.7	75/95		

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Progressive Allround

White, Polarized, Transitions and Drivewear

1.50 1.60 1.67 1.74

UniZone Perform™

UniZone Perform has fully optimized optics in all directions. Individual calculations of apherization and inset based on prescription and frame parameters. A large number of variations of design and corridor lengths.

Addition:	Engravings Sign:	Symbol:	Minimum Fitting height:	Design variations:	Soft/Clear:	Default parameters:
0.75-4.0	soft: Z clear: U	Distance △ Balance ▷ Near ▽	14 mm 16 mm 18 mm 20 mm	Distance Balance Near	Soft Clear	CVD: 13 mm FFT: 4 degrees PT: 6 degrees Design: Balance Clear

UniZone Atoric™

UniZone Atoric is an advanced calculated lens without possibility to include the frame parameters. Inset individually calculated based on prescription. Available in four different corridor lengths.

Addition:	Engravings Sign: N	Symbol:	Minimum Fitting height:	Design variations:	Soft/Clear:	Default parameters:
0.75-4.0		Distance △ Balance ▷ Near ▽	14 mm 16 mm 18 mm 20 mm	Distance Balance Near	Clear	Design: Balance Clear

UniZone Classic

UniZone Classic is a standard free form progressive lens with a good balance between distance and near.

Addition:	Engraving Sign: C	Symbol: O	Minimum Fitting height:	Design variations:	Soft/Clear:	Default parameters:
0.75-4.0			16 mm 20 mm	Balance	Clear	Design: Balance Clear

Layers, Coatings and Tints

Layers		1.50	1.60	1.67	1.74	Info
Pol	No Layer	✓	✓	✓	✓	-
	Pol 1 Grey 65 %	✓				1:8
	Pol 3 Grey 83 %	✓	✓	✓		1:8
	Pol Brown 78 %	✓	✓	✓		1:8
	Pol Green 85 %	✓				1:8
Trans	Transitions Signature Grey	✓	✓	✓		1:8
	Transitions Signature Brown	✓	✓	✓		1:8
	Transitions XTRActive	✓	✓			1:8
	Transitions Drivewear	✓				1:8

Coatings & Tints		1.50	1.60	1.67	1.74	Info
Coating	Uncoated	✓				-
	ML Dura	✓	✓	✓	✓	1:7
	ML Prima +	✓	✓	✓	✓	1:7
	ML Prima Sun	✓	✓	✓	✓	1:7
Filter	ML Filter	✓	✓		✓	1:10
	ML Filter and grey/brown	✓				1:11
Tint	Tint < 97 %	✓	✓		✓	1:11
	Tint < 99 %	✓				1:11

Lens drawings

See page 1:46

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Progressive Allround White 1.5

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
UniZone Perform	+12	-15	-15	8
UniZone Atoric	+12	-15	-15	8
UniZone Classic	+12	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
40	-12	75/95	-	-
45	-10	75/95	-	-
55	-6.5	75/105	+8	55
65	-5	75/105	+6	65
75	-3.5	75/105	+4	75
95	-2.5	75/105	+3	75/95

Progressive Allround Polarized 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
UniZone Perform	+8	-15	-15	8
UniZone Atoric	+8	-15	-15	8
UniZone Classic	+8	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-12	75/95	-	-
45	-10	75/95	-	-
55	-6.5	75/105	-	-
65	-5	75/105	+6	65
75	-3.5	75/105	+3.5	75
95	-2.5	75/105	+3	75/95

Progressive Allround Transitions 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
UniZone Perform	+8	-15	-15	8
UniZone Atoric	+8	-15	-15	8
UniZone Classic	+8	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-12	71/95	-	-
45	-10	71/95	-	-
55	-6.5	71/105	-	-
65	-5	71/105	+6	65
75	-3.5	71/105	+4	71/75
95	-2.5	71/105	+3	71/95

Progressive Allround White 1.6

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
UniZone Perform	+12	-15	-15	8
UniZone Atoric	+12	-15	-15	8
UniZone Classic	+12	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
-	-	-	-	-
45	-13	73/95	-	-
55	-9	73/105	+10	55
65	-7	73/105	+7	65
75	-5	73/105	+5.5	73/75
95	-3.5	73/105	+3.5	73/95

Progressive Allround Polarized 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
UniZone Perform	+10	-15	-15	8
UniZone Atoric	+10	-15	-15	8
UniZone Classic	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	74/90	-	-
45	-12.5	74/95	-	-
55	-9	74/105	-	-
65	-6.5	74/105	+7	65
75	-5	74/105	+5	75
95	-3.5	74/105	+3.5	74/95

Progressive Allround Transitions 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
UniZone Perform	+10	-15	-15	8
UniZone Atoric	+10	-15	-15	8
UniZone Classic	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	73/105	-	-
45	-13	73/105	-	-
55	-9	73/105	+10	55
65	-7	73/105	+7	65
75	-5	73/105	+5.5	75
95	-3.5	73/105	+3.5	73/95

Progressive Allround White 1.67

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
UniZone Perform	+16	-15	-15	8
UniZone Atoric	+16	-15	-15	8
UniZone Classic	+16	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
-	-	-	-	-
45	-14	74/90	+13	50
55	-10	74/105	+10	55
65	-7	74/105	+8	65
75	-5.5	74/105	5.5	74/75
95	-3.5	74/105	+4.5	74/95

Progressive Allround Polarized 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
UniZone Perform	+10	-15	-15	8
UniZone Atoric	+10	-15	-15	8
UniZone Classic	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	75/90	-	-
45	-13.5	75/90	-	-
55	-10	75/105	-	-
65	-7	75/105	+8	65
75	-5.5	75/105	+5.5	75
95	-3.5	75/105	+4	75/95

Progressive Allround Transitions 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
UniZone Perform	+10	-15	-15	8
UniZone Atoric	+10	-15	-15	8
UniZone Classic	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	74/90	-	-
45	-14	74/90	-	-
55	-10	74/105	+10	55
65	-7	74/105	+8	65
75	-5.5	74/105	+6	75
95	-3.5	74/105	+4.5	74/95

Progressive Allround White 1.74

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
UniZone Perform	+14	-15	-15	8
UniZone Atoric	+14	-15	-15	8
UniZone Classic	+14	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-	-	-	-
45	-15	70/90	-	-
55	-11	70/90	+12	58
65	-8	70/100	+9	65
75	-6.25	70/100	+7	65/75
95	-4.5	70/100	+3.5	70/95

Progressive Allround
White, Polarized and Transitions

1.50 1.60

Image Classic

1.50

A conventional front side multifocal lens with spherical back surface design. A good balance beween distance, intermediate and near.

Good possibilities to produce high powers, high prism and slab-off etc.

Addition: 1.0-3.0
Engravings Sign: -
Symbol: Y
Minimum Fitting height: 18 mm
Design variations: Balance
Soft/Clear: Clear
Default parameters: Design: Balance Clear

Concise Classic

1.60

A conventional front side multifocal lens with spherical back surface design. A good balance beween distance, intermediate and near.

Good possibilities to produce high powers, high prism and slab-off etc.

Addition: 1.0-3.0
Engravings Sign: -
Symbol: +
Minimum Fitting height: 17 mm
Design variations: Balance
Soft/Clear: Clear
Default parameters: Design: Balance Clear

Layers, Coatings and Tints

Layers		1.50	1.60	Info
	No layer	✓	✓	-
Pol	Pol 1 Grey 65 %			1:8
Pol	Pol 3 Grey 83 %	✓		1:8
Pol	Pol Brown 78 %			1:8
Pol	Pol Green 85 %			1:8
Trans	Transitions Signature Grey	✓		1:8
Trans	Transitions Signature Brown	✓		1:8
Trans	Transitions XTRActive			1:8
Trans	Transitions Drivewear			1:8

Coatings & Tints		1.50	1.60	Info
	Uncoated	✓		-
Coating	ML Dura	✓	✓	1:7
Coating	ML Prima +	✓	✓	1:7
Coating	ML Prima Sun	✓	✓	1:7
Filter	ML Filter	✓	✓	1:10
Filter	ML Filter and grey/brown	✓	✓	1:11
Tint	Tint <97 %	✓	✓	1:11
Tint	Tint <99 %	✓		1:11

Lens drawings

See page 1:46

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Progressive Allround White 1.5

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
Image Classic	+8	-15	-15	12

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
40	-12	80	+8	40
45	-9.5	80	+8	45
55	-7	80	+8	55
65	-4.75	80	+6	65
75	-3.5	80	+4	75
80	-3	80	+3	80

Progressive Allround Polarized 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Image Classic	+8	-15	-15	12

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-40	80	-	-
45	-9.5	80	-	-
55	-7	80	+8	56
65	-4.75	80	+5.5	65
75	-3.5	80	+4	75
80	-3	80	+3	80

Progressive Allround Transitions 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Image Classic	+8	-15	-15	12

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-12	80	-	-
45	-9.5	80	-	-
55	-7	80	+8	57
65	-4.75	80	+6	65
75	-3.5	80	+4	75
80	-	-	+3	80

Progressive Allround White 1.6

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
Concise Classic	+8	-15	-15	12

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
35	-	-	-	-
45	-14	75	+9	45
55	-9	75	+9	55
65	-6.5	75	+8	65
75	-4	75	+6	75
95	-	-	-	-

Progressive Allround High Power

1.50

UniZone Omega Classic

A multifocal lens for high plus powers with classic back surface design and an Omega front surface with a zone of 40 mm. A good balance between distance, intermediate and near.

Addition: 0.75-4.0

Engraving Sign: C **Symbol:** O

Minimum Fitting height: 16 mm

Design variations: Balance

Soft/Clear: Clear

Default parameters: Design: Balance Clear

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:46

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Progressive Allround White				1.5
Max possible power				
Lens	*Sphere*	*Sphere -*	*Cylinde*	*Prism*
UniZone Omega Classic	+18	+8	-10	6
Center thickness for respective power				
Power	*ct*	*Max Ø*		
+8	8.5	67		
+10	10	67		
+12	11.5	67		
+14	12.5	67		
+16	14	67		
+18	15	67		

Progressive Allround/Office

White, Polarized, Transitions and Drivewear

1.50 1.60 1.67 1.74

Nuaco Perform™

A large distance field that softly change to an addition of 0.50 or 0.75 to relax the accommodation. The perfect lens for the young student that needs relaxation in the accommodation or the young presbyope that is not ready for full progressive lenses.
Measured and fitted in the fitting cross.

Addition: 0.5-0.75
Engraving Sign: A **Symbol:** ◇
Minimum Fitting height: 14 mm
Design variations: Balance
Soft/Clear: Soft
Default parameters: CVD: 13 mm, FFT: 4 degrees, PT: 6 degrees, Design: Balance Soft

Meeting Perform™

Meeting Perform has fully optimized optics in all directions. Individual calculations of apherization and inset based on prescription and frame parameters. The perfect office lens to cover all needs of a modern office environment. Full distance power is found high up in the lens and the priority is mainly on intermediate distance. In the fitting cross, 25 % of the addition is present.
Possible to individually modify powers and fitting height to achieve customization to the customer's office environment.

Addition: 0.75-3.5
Engraving Sign: M **Symbol:** ◇
Minimum Fitting height: 18 mm
Design variations: Near
Soft/Clear: Soft
Default parameters: CVD: 13 mm, FFT: 4 degrees, PT: 6 degrees, Design: Near Soft

Desktop Perform™

Desktop Perform has fully optimized optics in all directions. Individual calculations of apherization and inset based on prescription and frame parameters. Available in degressions from 0.75 to 2.25 in 0.25 steps. The lens is ordered with near power with the desired degression. In the fitting cross, 65 % of the degression is present.
Fitted with distance pd in center of pupil.

Degression: 0.75-2.25
Engraving Sign: T **Symbol:** ◇
Minimum Fitting height: 18 mm
Design variations: Near
Soft/Clear: Soft
Default parameters: CVD: 13 mm, FFT: 4 degrees, PT: 6 degrees, Design: Near Soft

Layers, Coatings and Tints

Layers		1.50	1.60	1.67	1.74	Info
Pol	No Layer	✓	✓	✓	✓	-
	Pol 1 Grey 65 %	✓				1:8
	Pol 3 Grey 83 %	✓	✓	✓		1:8
	Pol Brown 78 %	✓	✓	✓		1:8
	Pol Green 85 %	✓				1:8
Trans	Transitions Signature Grey	✓	✓	✓		1:8
	Transitions Signature Brown	✓	✓	✓		1:8
	Transitions XTRActive	✓	✓			1:8
	Transitions Drivewear	✓				1:8

Coatings & Tints		1.50	1.60	1.67	1.74	Info
Coating	Uncoated	✓				-
	ML Dura	✓	✓	✓	✓	1:7
	ML Prima +	✓	✓	✓	✓	1:7
	ML Prima Sun	✓	✓	✓	✓	1:7
Filter	ML Filter	✓	✓		✓	1:10
	ML Filter and grey/brown	✓				1:11
Tint	Tint < 97 %	✓	✓		✓	1:11
	Tint < 99 %	✓				1:11

Lens drawings

See page 1:47

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Progressive Allround/Office White 1.5

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
Nuaco Perform	+12	-15	-15	8
Meeting Perform	+12	-15	-15	8
Desktop Perform	+12	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
40	-12	75/95	-	-
45	-10	75/95	-	-
55	-6.5	75/105	+8	55
65	-5	75/105	+6	65
75	-3.5	75/105	+4	75
95	-2.5	75/105	+3	75/95

Progressive Allround/Office Polarized 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Nuaco Perform	+8	-15	-15	8
Meeting Perform	+8	-15	-15	8
Desktop Perform	+8	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-12	75/95	-	-
45	-10	75/95	-	-
55	-6.5	75/105	-	-
65	-5	75/105	+6	65
75	-3.5	75/105	+3.5	75
95	-2.5	75/105	+3	75/95

Progressive Allround/Office Transitions 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Nuaco Perform	+8	-15	-15	8
Meeting Perform	+8	-15	-15	8
Desktop Perform	+8	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-12	71/95	-	-
45	-10	71/95	-	-
55	-6.5	71/105	-	-
65	-5	71/105	+6	65
75	-3.5	71/105	+4	71/75
95	-2.5	71/105	+3	71/95

Progressive Allround/Office White 1.6

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
Nuaco Perform	+12	-15	-15	8
Meeting Perform	+12	-15	-15	8
Desktop Perform	+12	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
-	-	-	-	-
45	-13	73/95	-	-
55	-9	73/105	+10	55
65	-7	73/105	+7	65
75	-5	73/105	+5.5	73/75
95	-3.5	73/105	+3.5	73/95

Progressive Allround/Office Polarized 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Nuaco Perform	+10	-15	-15	8
Meeting Perform	+10	-15	-15	8
Desktop Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	74/90	-	-
45	-12.5	74/95	-	-
55	-9	74/105	-	-
65	-6.5	74/105	+7	65
75	-5	74/105	+5	75
95	-3.5	74/105	+3.5	74/95

Progressive Allround/Office Transitions 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Nuaco Perform	+10	-15	-15	8
Meeting Perform	+10	-15	-15	8
Desktop Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	73/105	-	-
45	-13	73/105	-	-
55	-9	73/105	+10	55
65	-7	73/105	+7	65
75	-5	73/105	+5.5	75
95	-3.5	73/105	+3.5	73/95

Progressive Allround/Office White 1.67

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
Nuaco Perform	+16	-15	-15	8
Meeting Perform	+16	-15	-15	8
Desktop Perform	+16	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
-	-	-	-	-
45	-14	74/90	+13	50
55	-10	74/105	+10	55
65	-7	74/105	+8	65
75	-5.5	74/105	5.5	74/75
95	-3.5	74/105	+4.5	74/95

Progressive Allround/Office Polarized 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Nuaco Perform	+10	-15	-15	8
Meeting Perform	+10	-15	-15	8
Desktop Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	75/90	-	-
45	-13.5	75/90	-	-
55	-10	75/105	-	-
65	-7	75/105	+8	65
75	-5.5	75/105	+5.5	75
95	-3.5	75/105	+4	75/95

Progressive Allround/Office Transitions 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Nuaco Perform	+10	-15	-15	8
Meeting Perform	+10	-15	-15	8
Desktop Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	74/90	-	-
45	-14	74/90	-	-
55	-10	74/105	+10	55
65	-7	74/105	+8	65
75	-5.5	74/105	+6	75
95	-3.5	74/105	+4.5	74/95

Progressive Allround/Office White 1.74

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Nuaco Perform	+14	-15	-15	8
Meeting Perform	+14	-15	-15	8
Desktop Perform	+14	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
45	-15	70/90	-	-
55	-11	70/90	+12	58
65	-8	70/100	+9	65
75	-6.25	70/100	+7	65/75
95	-4.5	70/100	+3.5	70/95

Progressive Active

White, Polarized, Transitions and Drivewear

1.50 1.60 1.67 1.74

Go Perform™

Go Perform has fully optimized optics in all directions. Individual calculations of apherization and inset based on prescription and frame parameters. Go will also function well with wrapped frames. The priority is in a large distance and intermediate field with a smaller reading part with a low position. A soft design to minimize swaying effect in dynamic environments.

Addition: 0.75-4.0

Engraving Sign: G **Symbol:** O

Minimum Fitting height: 21 mm

Design variations: Distance

Soft/Clear: Soft

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees
Design: Distance Soft

Drive Perform™

Drive Perform has fully optimized optics in all directions. Individual calculations of apherization and inset based on prescription and frame parameters. A large clear distance field, a well positioned intermediate zone for the instruments and a smaller reading part. A clear design to give the best possible distance view.

Addition: 0.75-4.0

Engraving Sign: D **Symbol:** O

Minimum Fitting height: 21 mm

Design variations: Distance

Soft/Clear: Clear

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees
Design: Distance Clear

Layers, Coatings and Tints

	Layers	1.50	1.60	1.67	1.74	Info
Pol	No Layer	✓	✓	✓	✓	-
Pol	Pol 1 Grey 65 %	✓				1:8
Pol	Pol 3 Grey 83 %	✓	✓	✓		1:8
Pol	Pol Brown 78 %	✓	✓	✓		1:8
Pol	Pol Green 85 %	✓				1:8
Trans	Transitions Signature Grey	✓	✓	✓		1:8
Trans	Transitions Signature Brown	✓	✓	✓		1:8
Trans	Transitions XTRActive	✓	✓			1:8
Trans	Transitions Drivewear	✓				1:8

	Coatings & Tints	1.50	1.60	1.67	1.74	Info
Coating	Uncoated	✓				-
Coating	ML Dura	✓	✓	✓	✓	1:7
Coating	ML Prima +	✓	✓	✓	✓	1:7
Coating	ML Prima Sun	✓	✓	✓	✓	1:7
Filter	ML Filter	✓	✓		✓	1:10
Filter	ML Filter and grey/brown	✓				1:11
Tint	Tint <97 %	✓	✓		✓	1:11
Tint	Tint <99 %	✓				1:11

Lens drawings

See page 1:47

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Progressive Active White 1.5

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
Go Perform	+12	-15	-15	8
Drive Perform	+12	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
40	-12	75/95	-	-
45	-10	75/95	-	-
55	-6.5	75/105	+8	55
65	-5	75/105	+6	65
75	-3.5	75/105	+4	75
95	-2.5	75/105	+3	75/95

Progressive Active Polarized 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Go Perform	+8	-15	-15	8
Drive Perform	+8	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-12	75/95	-	-
45	-10	75/95	-	-
55	-6.5	75/105	-	-
65	-5	75/105	+6	65
75	-3.5	75/105	+3.5	75
95	-2.5	75/105	+3	75/95

Progressive Active Transitions 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Go Perform	+8	-15	-15	8
Drive Perform	+8	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-12	71/95	-	-
45	-10	71/95	-	-
55	-6.5	71/105	-	-
65	-5	71/105	+6	65
75	-3.5	71/105	+4	71/75
95	-2.5	71/105	+3	71/95

Progressive Active White 1.6

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
Go Perform	+12	-15	-15	8
Drive Perform	+12	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
-	-	-	-	-
45	-13	73/95	-	-
55	-9	73/105	+10	55
65	-7	73/105	+7	65
75	-5	73/105	+5.5	73/75
95	-3.5	73/105	+3.5	73/95

Progressive Active Polarized 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Go Perform	+10	-15	-15	8
Drive Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	74/90	-	-
45	-12.5	74/95	-	-
55	-9	74/105	-	-
65	-6.5	74/105	+7	65
75	-5	74/105	+5	75
95	-3.5	74/105	+3.5	74/95

Progressive Active Transitions 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Go Perform	+10	-15	-15	8
Drive Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	73/105	-	-
45	-13	73/105	-	-
55	-9	73/105	+10	55
65	-7	73/105	+7	65
75	-5	73/105	+5.5	75
95	-3.5	73/105	+3.5	73/95

Progressive Active White 1.67

Max possible power

Lens	Sphere	Sphere -	Cylinde	Prism
Go Perform	+16	-15	-15	8
Drive Perform	+16	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere	Max Ø
-	-	-	-	-
45	-14	74/90	+13	50
55	-10	74/105	+10	55
65	-7	74/105	+8	65
75	-5.5	74/105	5.5	74/75
95	-3.5	74/105	+4.5	74/95

Progressive Active Polarized 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Go Perform	+10	-15	-15	8
Drive Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	75/90	-	-
45	-13.5	75/90	-	-
55	-10	75/105	-	-
65	-7	75/105	+8	65
75	-5.5	75/105	+5.5	75
95	-3.5	75/105	+4	75/95

Progressive Active Transitions 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Go Perform	+10	-15	-15	8
Drive Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
40	-15	74/90	-	-
45	-14	74/90	-	-
55	-10	74/105	+10	55
65	-7	74/105	+8	65
75	-5.5	74/105	+6	75
95	-3.5	74/105	+4.5	74/95

Progressive Active White 1.74

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
Go Perform	+14	-15	-15	8
Drive Perform	+14	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
45	-15	70/90	-	-
55	-11	70/90	+12	58
65	-8	70/100	+9	65
75	-6.25	70/100	+7	65/75
95	-4.5	70/100	+3.5	70/95

Bifocals

White, Polarized and Transitions

1.50 | 1.60

S28 Perform™

S28 Perform has fully optimized optics in all directions.Including calculations based on frame parameters.

Addition:
0.75-4.0

Engravings
Sign: P **Symbol:** ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

S28 Atoric™

S28 Atoric is a back surface atoric design with an individualized aspherization in both meridians for all powers. Optimized calculations for all base curves.

Addition:
0.75-4.0

S28 Classic

S28 Classic has a spherical design. The peripheral optical quality is decreased because of the spherical geometry. Especially when a changed base curved is desired or with a prescription with high cylinder power, S28 Classic is not recommended.

Addition:
0.75-4.0

Layers, Coatings and Tints

Layers		1.50	1.60	Info
	No layer	✓	✓	-
Pol	Pol 1 Grey 65 %			1:8
Pol	Pol 3 Grey 83 %	✓		1:8
Pol	Pol Brown 78 %	✓		1:8
Pol	Pol Green 85 %			1:8
Trans	Transitions Signature Grey	✓		1:8
Trans	Transitions Signature Brown	✓		1:8
Trans	Transitions XTRActive			1:8
Trans	Transitions Drivewear			1:8

Coatings & Tints		1.50	1.60	Info
Coating	Uncoated	✓		-
Coating	ML Dura	✓	✓	1:7
Coating	ML Prima +	✓	✓	1:7
Coating	ML Prima Sun	✓	✓	1:7
Filter	ML Filter	✓	✓	1:10
Filter	ML Filter and grey/brown	✓	✓	1:11
Tint	Tint <97 %	✓	✓	1:11
Tint	Tint <99 %	✓		1:11

Lens drawings See page 1:48

Power limits

Bifocal S28 White 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
S28 Perform	+8	-15	-15	8
S28 Atoric	+8	-20	-15	8
S28 Classic	+8	-20	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-16	80	+8	35
45	-10	80	+8	45
55	-7	80	+8	55
65	-4.5	80	+7	65
75	-3	80	+5	75
95	-	-	-	-

Bifocal S28 Polarized 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
S28 Perform	+8	-15	-15	8
S28 Atoric	+8	-20	-15	8
S28 Classic	+8	-20	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-16	75	+8	35
45	-10	75	+8	45
55	-7	75	+8	55
65	-5	75	+6	65
75	-3	75	+4	75
95	-	-	-	-

Bifocal S28 Transitions 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
S28 Perform	+8	-15	-15	8
S28 Atoric	+8	-20	-15	8
S28 Classic	+8	-20	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-16	76	+8	35
45	-10	76	+8	45
55	-7	76	+8	55
65	-5	76	+7	65
75	-3	76	+4.5	75
95	-	-	-	-

Bifocal S28 White 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
S28 Perform	+8	-15	-15	8
S28 Atoric	+8	-20	-15	8
S28 Classic	+8	-20	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
35	-20	75	+8	35
45	-14	75	+8	45
55	-9	75	+8	55
65	-6.5	75	+8	65
75	-4	75	+6	75
95	-	-	-	-

More detailed information about power limits available on www.multilens.com
The ”Sphere -” value is always combined power sphere and cylinder.

Bifocals
White and Transitions

1.50 | 1.60

C28 Perform™

C28 Perform has fully optimized optics in all directions. Including calculations based on frame parameters.

Addition:
0.75-4.0 (White 1.5)
1.0-3.5 (Trans 1.5)
1.0-4.5 (White 1.6)

Engravings
Sign: P **Symbol:** ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

C28 Atoric™

C28 Atoric is a back surface atoric design with an individualized aspherization in both meridians for all powers. Optimized calculations for all base curves.

Addition:
0.75-4.0 (White 1.5)
1.0-3.5 (Trans 1.5)
1.0-4.5 (White 1.6)

C28 Classic

C28 Classic has a spherical design. The peripheral optical quality is decreased because of the spherical geometry. Especially when a changed base curved is desired or with a prescription with high cylinder power, S28 Classic is not recommended.

Addition:
0.75-4.0 (White 1.5)
1.0-3.5 (Trans 1.5)
1.0-4.5 (White 1.6)

Layers, Coatings and Tints

Layers		1.50	1.60	Info
Pol	No layer	✓	✓	-
	Pol 1 Grey 65 %			1:8
	Pol 3 Grey 83 %			1:8
	Pol Brown 78 %			1:8
	Pol Green 85 %			1:8
Trans	Transitions Signature Grey			1:8
	Transitions Signature Brown	✓		1:8
	Transitions XTRActive			1:8
	Transitions Drivewear			1:8

Coatings & Tints		1.50	1.60	Info
Coating	Uncoated	✓		-
	ML Dura	✓	✓	1:7
	ML Prima +	✓	✓	1:7
	ML Prima Sun	✓	✓	1:7
Filter	ML Filter	✓	✓	1:10
	ML Filter and grey/brown	✓	✓	1:11
Tint	Tint < 97 %	✓	✓	1:11
	Tint < 99 %	✓		1:11

Lens drawings

See page 1:48

More detailed information available on www.multilens.com
The ”Sphere -” value is always combined power sphere and cylinder.

Power limits

Bifocal C28 White	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
C28 Perform	+8	-15	-15	8
C28 Atoric	+8	-20	-15	8
C28 Classic	+8	-20	-15	8

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
35	-16	70	+8	35
45	-10	70	+8	45
55	-7	70	+8	55
65	-4.5	70	+7	65
75	-	-	-	-
95	-	-	-	-

Bifocal C28 Transitions	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
C28 Perform	+8	-15	-15	8
C28 Atoric	+8	-15	-15	8
C28 Classic	+8	-15	-15	8

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
35	-16	75	+8	35
45	-10	75	+8	45
55	-7	75	+8	55
65	-4.5	75	+7	65
75	-4	75	+5	75
95	-	-	-	-

Bifocal C28 White	1.6			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
C28 Perform	+8	-15	-15	8
C28 Atoric	+8	-20	-15	8
C28 Classic	+8	-20	-15	8

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
35	-20	75	+8	35
45	-14	75	+8	45
55	-9	75	+8	55
65	-6.5	75	+8	65
75	-4	75	+6	75
95	-	-	-	-

Bifocals
White

1.50

S35 Perform™

S35 Perform has fully optimized optics in all directions. Including calculations based on frame parameters.

Addition:
0.75-4.0

Engravings
Sign: P **Symbol:** ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

S35 Atoric™

S35 Atoric is a back surface atoric design with an individualized aspherization in both meridians for all powers. Optimized calculations for all base curves.

Addition:
0.75-4.0

S35 Classic

S35 Classic has a spherical design. The peripheral optical quality is decreased because of the spherical geometry. Especially when a changed base curved is desired or with a prescription with high cylinder power, S28 Classic is not recommended.

Addition:
0.75-4.0

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:48

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Bifocal S35 White				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
S35 Perform	+12	-15	-15	8
S35 Atoric	+12	-30	-15	8
S35 Classic	+12	-60	-30	20
Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere +*	*Max Ø*	*Sphere -*	*Max Ø*
35	+12	35	-16	75/90
45	+12	45	-10	75/95
55	+9	55	-6.5	75/105
65	+6.5	65	-5	75/105
75	+5	75	-3.5	75/105
95	+3	75/95	-2.5	75/105

Bifocals
White

1.50

S45 Perform™

S35 Perform has fully optimized optics in all directions. Including calculations based on frame parameters.

Addition:
0.75-3.0

Engravings
Sign: P **Symbol:** ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

S45 Atoric™

S35 Atoric is a back surface atoric design with an individualized aspherization in both meridians for all powers. Optimized calculations for all base curves.

Addition:
0.75-3.0

S45 Classic

S35 Classic has a spherical design. The peripheral optical quality is decreased because of the spherical geometry. Especially when a changed base curved is desired or with a prescription with high cylinder power, S28 Classic is not recommended.

Addition:
0.75-3.0

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:48

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Bifocal S45 White				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
S45 Perform	+12	-15	-15	8
S45 Atoric	+12	-30	-15	8
S45 Classic	+12	-60	-30	20

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere +*	*Max Ø*	*Sphere -*	*Max Ø*
35	+12	35	-16	75/90
45	+12	45	-10	75/95
55	+9	55	-6.5	75/105
65	+6.5	65	-5	75/105
75	+5	75	-3.5	75/105
95	+3	75/95	-2.5	75/105

Bifocals Round Segment

White, Polarized, Transitions and Drivewear

1.50 1.60 1.67 1.74

RS28 Perform™

RS28 has an invisible overlay to the addition power making it a nice looking alternative to bifocal lenses. It has also the advantage of being available in all materials and with polarized and photochromic options. This lens is ordered with distance pd and segment height.

Addition:
0.75-4.0

Engraving
Sign: R

Symbol: ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

Layers, Coatings and Tints

Layers		1.50	1.60	1.67	1.74	Info
Pol	No Layer	✓	✓	✓	✓	-
	Pol 1 Grey 65 %	✓				1:8
	Pol 3 Grey 83 %	✓	✓	✓		1:8
	Pol Brown 78 %	✓	✓	✓		1:8
	Pol Green 85 %	✓				1:8
Trans	Transitions Signature Grey	✓	✓	✓		1:8
	Transitions Signature Brown	✓	✓	✓		1:8
	Transitions XTRActive	✓	✓			1:8
	Transitions Drivewear	✓				1:8

Coatings & Tints		1.50	1.60	1.67	1.74	Info
Coating	Uncoated	✓				-
	ML Dura	✓	✓	✓	✓	1:7
	ML Prima +	✓	✓	✓	✓	1:7
	ML Prima Sun	✓	✓	✓	✓	1:7
Filter	ML Filter	✓	✓		✓	1:10
	ML Filter and grey/brown	✓				1:11
Tint	Tint < 97 %	✓	✓		✓	1:11
	Tint < 99 %	✓				1:11

Lens drawings

See page 1:49

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Bifocal RS28 White 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
RS28 Perform	+12	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
50	-8	50	+10	50
55	-6.5	55	+8.5	55
65	-5	65	+6.5	65
75	-3.5	75	+4.75	75
95	-2.5	75/95	+2.5	75/95

Bifocal RS28 Polarized 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
RS28 Perform	+8	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
50	-8	50	-	-
55	-6.5	55	-	-
65	-5	65	+6	65
75	-3.5	75	+4	75
95	-2.5	75/95	+2.5	75/95

Bifocal RS28 Transitions 1.5

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
RS28 Perform	+8	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
50	-8	50	-	-
55	-6.5	55	-	-
65	-5	65	+6	68
75	-3.5	71/75	+4.75	75
95	-2.5	71/95	+3	71/95

Bifocal RS28 White 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
RS28 Perform	+12	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
50	-11	50	-	-
55	-9	55	+10	58
65	-7	65	+7.5	65
75	-5	73/77	+5.5	73/75
95	-3.5	73/95	+3.75	73/95

Bifocal RS28 Polarized 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
RS28 Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
50	-10	50	-	-
55	-9	55	+8	60
65	-6.5	65	+7	65
75	-5	75	+5.5	75
95	-3.5	74/105	+3.5	74/95

Bifocal RS28 Transitions 1.6

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
RS28 Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
50	-11	50	-	-
55	-9	55	+10	58
65	-7	65	+7.5	65
75	-5	73/77	+5.5	75
95	-3.5	73/95	+3.75	75/95

Bifocal RS28 White 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
RS28 Perform	+16	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
50	-11	50	+13	50
55	-10	55	+12	55
65	-7	65	+9	65
75	-5.5	75	+6.5	75
95	-3.5	74/95	+4.5	74/95

Bifocal RS28 Polarized 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
RS28 Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
50	-11	50	-	-
55	-10	55	-	-
65	-7	65	+8	65
75	-5.5	75	+6	75
95	-3.5	75/95	+4	75/95

Bifocal RS28 Transitions 1.67

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
RS28 Perform	+10	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
50	-11	50	-	-
55	-10	55	+10	60
65	-7	65	+9	65
75	-5.5	75	+6	75
95	-3.5	74/95	+4	75/95

Bifocal RS28 White 1.74

Max possible power

Lens	Sphere +	Sphere -	Cylinder	Prism
RS28 Perform	+14	-15	-15	8

Possible powers for et/ct 8 mm

Zone / Ø	Sphere -	Max Ø	Sphere +	Max Ø
-	-	-	-	-
50	-13	50	-	-
55	-11	55	+12	59
65	-8	65	+9	65
75	-6	70/78	+7	65/75
95	-4.5	70/95	+3.5	70/95

Bifocals High Addition

White

1.50

S28 Perform™ High add

S28 Perform High add has fully optimized optics in all directions. Including calculations based on frame parameters. Addition available in 0.50 increments.

Addition:
4.5-6.0

Engravings
Sign: P **Symbol:** ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

S28 Atoric™ High add

S28 Atoric High add is a back surface atoric design with an individualized aspherization in both meridians for all powers. Optimized calculations for all base curves. Addition available in 0.50 increments.

Addition:
4.5-6.0

S28 Classic High add

S28 Classic High add has a spherical design. The peripheral optical quality is decreased because of the spherical geometry. Especially when a changed base curved is desired or with a prescription with high cylinder power, S28 Classic High add is not recommended.

Addition:
4.5-6.0

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:49

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Bifocal S28 High Addition White				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
S28 Perform HA	+6	-15	-15	8
S28 Atoric HA	+6	-20	-15	8
S28 Classic HA	+6	-20	-15	8

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
35	-15	76	+6	35
45	-9.5	76	+6	45
55	-6.5	76	+6	55
65	-4.5	76	+6	65
75	-3	76	+5	75
95	-	-	-	-

Bifocals High Addition

White

1.50

S35 Perform™ High add

S35 Perform High add has fully optimized optics in all directions. Including calculations based on frame parameters. Addition available in 0.50 increments.

Addition:
4.5-6.0

Engravings
Sign: P **Symbol:** ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

S35 Atoric™ High add

S35 Atoric High add is a back surface atoric design with an individualized aspherization in both meridians for all powers. Optimized calculations for all base curves. Addition available in 0.50 increments.

Addition:
4.5-6.0

S35 Classic High add

S35 Classic High add has a spherical design. The peripheral optical quality is decreased because of the spherical geometry. Especially when a changed base curved is desired or with a prescription with high cylinder power, S35 Classic High add is not recommended.

Addition:
4.5-6.0

Layers, Coatings and Tints

Layers		1.50	Info
	No layer	✓	-
Pol	Pol 1 Grey 65 %		1:8
Pol	Pol 3 Grey 83 %		1:8
Pol	Pol Brown 78 %		1:8
Pol	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
Trans	Transitions Signature Brown		1:8
Trans	Transitions XTRActive		1:8
Trans	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
	Uncoated	✓	-
Coating	ML Dura	✓	1:7
Coating	ML Prima +	✓	1:7
Coating	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
Filter	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
Tint	Tint < 99 %	✓	1:11

Lens drawings

See page 1:49

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Bifocal S35 High Addition White				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
S35 Perform HA	+6	-15	-15	8
S35 Atoric HA	+6	-15	-15	8
S35 Classic HA	+6	-15	-15	8

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
35	-14	76	+6	35
45	-9.5	76	+6	45
55	-6.5	76	+6	55
65	-4.5	76	+6	65
75	-3	76	+5	75
95	-	-	-	-

Bifocals High Addition

White

1.50

Bifo Relax Classic

A Bifocal lens with the ML28 segment and always including convergence prism based on the addition.

Addition:
3.5-10.0

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Layers, Coatings and Tints

Lens drawings

See page 1:49

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Bifocal Bifo Relax White	1.5			
Max possible power				
Lens	*Sphere*	*Sphere -*	*Cylinde*	*Prism*
Bifo Relax Classic	+10	-12	-10	10
Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere*	*Max Ø*
40	-12	75	-	-
45	-10	75	+11	50
55	-6.5	75	+9	55
65	-5	75	+6.5	65
75	-3.5	75	+5	75
95	-	-	-	-

S28 High add RS28 Perform

A Bifocal lens with high addition. Front surface bifocal lens with a back surface round segment

Addition:
6.25-10.0

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Layers, Coatings and Tints

Lens drawings

See page 1:49

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

S28 High Add RS28 Perform White	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
S28 HA RS28 Perform	+6	-15	-15	8
Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
35	-15	76	+6	35
45	-9.5	76	+6	45
55	-6.5	76	+6	55
65	-4.5	76	+6	65
75	-3	76	+5	75
95	-	-	-	-

Bifocals High Power

White

1.50

R22 Omega Aspheric

A round near segment with 22 mm diameter. The Omega front has a diameter of 40 mm. For high plus powers.

Addition:
2.0-3.5

RS28 Lenti Perform™

Has an invisible reading segment with 28 mm diameter on a Lenti front with 40 mm diameter. For high plus powers. This lens is ordered with distance pd and segment height.

Addition:
0.75-4.0

Engravings
Sign: P **Symbol:** ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:50

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Bifocal High Powers White				1.5
Max possible power				
Lens	*Sphere*	*Sphere -*	*Cylinde*	*Prism*
R22 Omega Aspheric	+24	+8	-10	6
Center thickness for respective power				
Power	*ct*	*Max Ø*		
+8	7.5	67		
+10	9	67		
+12	10.5	67		
+14	11.5	67		
+16	13	67		
+18	14	67		

Bifocal High Powers White				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
RS28 Lenti Perform	+22	+8	-10	6
Center thickness for respective power				
Power	*ct*	*Max Ø*		
+8	5.5	67		
+10	6.5	67		
+12	7.5	67		
+14	8.5	67		
+16	9	67		
+18	10	67		

Bifocals Optio

White, Polarized and Transitions

1.50

ML28 Optio

ML28 Optio has an ML28 segment. No additional costs for high powers. Useful for high additions and when you need different prism for distance and near.

Addition:
0.75-12.0

C28 Optio

C28 Optio has a traditional C28 segment. No additional costs for high powers. Useful for high additions and when you need different prism for distance and near.

Addition:
0.75-12.0

S35L Optio

S35L Optio has a low Straight Top 35 mm wide segment. No additional costs for high powers. Useful for high additions and when you need different prism for distance and near.

Addition:
0.75-8.0

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %	✓	1:8
	Pol 3 Grey 83 %	✓	1:8
	Pol Brown 78 %	✓	1:8
	Pol Green 85 %	✓	1:8
Trans	Transitions Signature Grey	✓	1:8
	Transitions Signature Brown	✓	1:8
	Transitions XTRActive	✓	1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:49

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Bifocal Optio White				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
ML28 Optio	+20	-15	-15	5/10
C28 Optio	+20	-15	-15	5/10
S35L Optio	+15	-10	-15	4/8

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
35	-16	75/90	+12	35
45	-10	75/95	+12	45
55	-6.5	75/105	+9	55
65	-5	75/105	+6.5	65
75	-3.5	75/105	+5	75
95	-2	75/105	+3	75/103

Bifocal Optio Polarized				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
ML28 Optio	+8	-15	-15	5/10
C28 Optio	+8	-15	-15	5/10
S35L Optio	+8	-10	-15	4/8

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
35	-16	75/90	+8	35
45	-10	75/95	+8	45
55	-6.5	75/105	+8	55
65	-5	75/105	+6.5	65
75	-3.5	75/105	+4	75/83
95	-2.5	75/105	+3	75/99

Bifocal Optio Transitions				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
ML28 Optio	+8	-15	-15	5/10
C28 Optio	+8	-15	-15	5/10
S35L Optio	+8	-10	-15	4/8

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
35	-16	71/90	+8	35
45	-10	71/95	+8	45
55	-6.5	71/105	+8	55
65	-5	71/105	+6.5	65
75	-3.5	71/105	+5	71/76
95	-2.5	71/105	+3	75/105

Trifocals

1.50

White and Transitions

S728 Perform™

S728 Perform is a trifocal lens with fully optimized optics in all directions. Including calculations based on frame parameters. The middle segment has 50 % of the addition.

Addition:
1.5-4.0

Engravings
Sign: P **Symbol:** ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

S728 Atoric™

S728 Atoric is a trifocal lens with a back surface atoric design with an individualized aspherization in both meridians for all powers. Optimized calculations for all base curves. The middle segment has 50 % of the addition.

Addition:
1.5-4.0

S728 Classic

S728 Classic is a trifocal lens with a spherical design. The peripheral optical quality is decreased because of the spherical geometry. Especially when a changed base curved is desired or with a prescription with high cylinder power, S28 Classic is not recommended. The middle segment has 50 % of the addition.

Addition:
1.5-4.0

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey	✓	1:8
	Transitions Signature Brown	✓	1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:51

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Trifocal S728 White				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
S728 Perform	+12	-15	-15	8
S728 Atoric	+12	-30	-15	8
S728 Classic	+12	-60	-30	20

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere +*	*Max Ø*	*Sphere -*	*Max Ø*
35	+12	35	-16	75/90
45	+12	45	-10	75/95
55	+9	55	-6.5	75/105
65	+6.5	65	-5	75/105
75	+5	75	-3.5	75/105
95	+3	75/95	-2.5	75/105

Trifocal S728 Transitions				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
S728 Perform	+12	-15	-15	8
S728 Atoric	+12	-30	-15	8
S728 Classic	+12	-60	-30	20

Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere +*	*Max Ø*	*Sphere -*	*Max Ø*
35	+12	35	-16	75/90
45	+12	45	-10	75/95
55	+9	55	-6.5	75/105
65	+6.5	65	-5	75/105
75	+5	75	-3.5	75/105
95	+3	75/95	-2.5	75/105

Upper Segment Lenses
White, Polarized and Transitions

1.50 1.60

UniZone US28 Perform™

UniZone Perform has fully optimized optics in all directions. Individual calculations of apherization and inset based on prescription and frame parameters. A large number of variations of design and corridor lengths.

Addition 1.5:
prog: 0.75-4.0
top: 0.75-4.0
Addition 1.6:
prog: 0.75-4.0
top: 1.0-3.0

Engravings
Sign:
soft: Z
clear: U

Symbol:
Distance △
Balance ▷
Near ▽

Minimum Fitting height:
14 mm
16 mm
18 mm
20 mm

Design variations:
Distance
Balance
Near

Soft/Clear:
Soft
Clear

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees
Design: Balance Clear

UniZone US28 Atoric™

UniZone Atoric is an advanced calculated lens without possibility to include the frame parameters. Inset individually calculated based on prescription. Available in four different corridor lengths.

Addition 1.5:
prog: 0.75-4.0
top: 0.75-4.0
Addition 1.6:
prog: 0.75-4.0
top: 1.0-3.0

Engravings
Sign: N

Symbol:
Distance △
Balance ▷
Near ▽

Minimum Fitting height:
14 mm
16 mm
18 mm
20 mm

Design variations:
Distance
Balance
Near

Soft/Clear:
Clear

Default parameters:
Design: Balance Clear

UniZone US28 Classic

UniZone Classic is a standard free form progressive lens with a good balance between distance and near.

Addition 1.5:
prog: 0.75-4.0
top: 0.75-4.0
Addition 1.6:
prog: 0.75-4.0
top: 1.0-3.0

Engraving
Sign: C **Symbol:** ○

Minimum Fitting height:
16 mm
20 mm

Design variations:
Balance

Soft/Clear:
Clear

Default parameters:
Design: Balance Clear

Layers, Coatings and Tints

Layers		1.50	1.60	Info
	No layer	✓	✓	-
Pol	Pol 1 Grey 65 %			1:8
Pol	Pol 3 Grey 83 %	✓		1:8
Pol	Pol Brown 78 %	✓		1:8
Pol	Pol Green 85 %			1:8
Trans	Transitions Signature Grey	✓		1:8
Trans	Transitions Signature Brown	✓		1:8
Trans	Transitions XTRActive			1:8
Trans	Transitions Drivewear			1:8

Coatings & Tints		1.50	1.60	Info
Coating	Uncoated	✓		-
Coating	ML Dura	✓	✓	1:7
Coating	ML Prima +	✓	✓	1:7
Coating	ML Prima Sun	✓	✓	1:7
Filter	ML Filter	✓	✓	1:10
Filter	ML Filter and grey/brown	✓	✓	1:11
Tint	Tint < 97 %	✓	✓	1:11
Tint	Tint < 99 %	✓		1:11

Lens drawings

See page 1:51

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Upper Segment Lenses White	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
UZ US28 Perform	+8	-10	-10	8
UZ US28 Atoric	+8	-10	-10	8
UZ US28 Classic	+8	-10	-10	8

Possible powers for et/ct 8 mm

Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
40	-12	80	-	-
45	-10	80	-	-
55	-7	80	-	-
65	-4.5	80	+6	65
75	-3	80	+4	75
95	-	-	-	-

Upper Segment Lenses Polarized	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
UZ US28 Perform	+8	-10	-10	8
UZ US28 Atoric	+8	-10	-10	8
UZ US28 Classic	+8	-10	-10	8

Possible powers for et/ct 8 mm

Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
40	-12	75	-	-
45	-10	75	-	-
55	-7	75	-	-
65	-5	75	+6	65
75	-3	75	+3	75
95	-	-	-	-

Upper Segment Lenses Transitions	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
UZ US28 Perform	+8	-10	-10	8
UZ US28 Atoric	+8	-10	-10	8
UZ US28 Classic	+8	-10	-10	8

Possible powers for et/ct 8 mm

Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
40	-12	76	-	-
45	-10	76	-	-
55	-7	76	-	-
65	-5	76	+6	65
75	-3	76	+4	75
95	-	-	-	-

Upper Segment Lenses White	1.6			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
UZ US28 Perform	+8	-10	-10	8
UZ US28 Atoric	+8	-10	-10	8
UZ US28 Classic	+8	-10	-10	8

Possible powers for et/ct 8 mm

Zone / Ø	*Sphere -*	*Max Ø*	*Sphere +*	*Max Ø*
40	-15	75	-	-
45	-13	75	-	-
55	-9	75	-	-
65	-6.5	75	+6	72
75	-5	75	+5	75
95	-	-	-	-

Upper Segment Lenses High Addition
White

1.50

UniZone US28 Perform™ High add

UniZone Perform has fully optimized optics in all directions. Individual calculations of apherization and inset based on prescription and frame parameters. A large number of variations of design and corridor lengths.

Addition:
prog: 0.75-4.0
top: 4.5-6.0

Engravings
Sign:
soft: U
clear: Z

Symbol:
Distance △
Balance ▷
Near ▽

Minimum Fitting height:
14 mm
16 mm
18 mm
20 mm

Design variations:
Distance
Balance
Near

Soft/Clear:
Soft
Clear

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees
Design: Balance Clear

UniZone US28 Atoric™ High add

UniZone Atoric is an advanced calculated lens without possibility to include the frame parameters. Inset individually calculated based on prescription. Available in four different corridor lengths.

Addition:
prog: 0.75-4.0
top: 4.5-6.0

Engravings
Sign: N

Symbol:
Distance △
Balance ▷
Near ▽

Minimum Fitting height:
14 mm
16 mm
18 mm
20 mm

Design variations:
Distance
Balance
Near

Soft/Clear:
Clear

Default parameters:
Design: Balance Clear

UniZone US28 Classic High add

UniZone Classic is a standard free form progressive lens with a good balance between distance and near.

Addition:
prog: 0.75-4.0
top: 4.5-6.0

Engraving
Sign: C **Symbol:** O

Minimum Fitting height:
16 mm
20 mm

Design variations:
Balance

Soft/Clear:
Clear

Default parameters:
Design: Balance Clear

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:51

Power limits

More detailed information about power limits available on www.multilens.com. The "Sphere -" value is always combined power sphere and cylinder.

Upper Segment Lenses High Addition White				1.5
Max possible power				
Lens	*Sphere*	*Sphere -*	*Cylinde*	*Prism*
US28 Perform HA	+8	-10	-10	8
US28 Atoric HA	+8	-10	-10	8
US28 Classic HA	+8	-10	-10	8
Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere*	*Max Ø*
40	-12	76	-	-
45	-10	76	-	-
55	-6.5	76	-	-
65	-4.5	76	-	-
75	-3	76	+4	75
95	-	-	-	-

Upper Segment Lenses High Addition
White

1.50

UniZone US28 Relax Perform™

UniZone Perform has fully optimized optics in all directions. Individual calculations of apherization and inset based on prescription and frame parameters. A large number of variations of design and corridor lengths.

Addition:
prog: 0.75-4.0
top: 2.5-6.0

Engravings
Sign:
soft: U
clear: Z

Symbol:
Distance △
Balance ▷
Near ▽

Minimum Fitting height:
14 mm
16 mm
18 mm
20 mm

Design variations:
Distance
Balance
Near

Soft/Clear:
Soft
Clear

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees
Design: Balance Clear

UniZone US28 Relax Atoric™

UniZone Atoric is an advanced calculated lens without possibility to include the frame parameters. Inset individually calculated based on prescription. Available in four different corridor lengths. The upper segment has a convergence prism based on the addition.

Addition:
prog: 0.75-4.0
top: 2.5-6.0

Engravings
Sign: N

Symbol:
Distance △
Balance ▷
Near ▽

Minimum Fitting height:
14 mm
16 mm
18 mm
20 mm

Design variations:
Distance
Balance
Near

Soft/Clear:
Clear

Default parameters:
Design: Balance Clear

UniZone US28 Relax Classic

UniZone Classic is a standard free form progressive lens with a good balance between distance and near. The upper segment has a convergence prism based on the addition.

Addition:
prog: 0.75-4.0
top: 2.5-6.0

Engraving
Sign: C **Symbol:** O

Minimum Fitting height:
16 mm
20 mm

Design variations:
Balance

Soft/Clear:
Clear

Default parameters:
Design: Balance Clear

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

See page 1:51

Power limits

More detailed information about power limits available on www.multilens.com. The "Sphere -" value is always combined power sphere and cylinder.

Upper Segment Lenses White	1.5			
Max possible power				
Lens	*Sphere*	*Sphere -*	*Cylinde*	*Prism*
US28 Relax Perform	+12	-10	-10	8
US28 Relax Atoric	+12	-10	-10	8
US28 Relax Classic	+12	-10	-10	8
Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere -*	*Max Ø*	*Sphere*	*Max Ø*
-	-	-	-	-
50	-8	75	+9	53
55	-6.5	75	+8	55
65	-5	75	+6	65
75	-3.5	75	+4	75
95	-	-	-	-

Upper Segment Lenses
White

1.50

DD28 Perform™

DD28 Perform has fully optimized optics in all directions. Including calculations based on frame parameters. Upper Segment can be ordered with same addition as the lower segment or with around 62 %.

Addition:
1.0-3.0
See table below for exact range

Engravings
Sign: P **Symbol:** ◇

Default parameters:
CVD: 13 mm
FFT: 4 degrees
PT: 6 degrees

DD28 Atoric™

DD28 Atoric is a back surface atoric design with an individualized aspherization in both meridians for all powers. Optimized calculations for all base curves. Upper Segment can be ordered with same addition as the lower segment or with around 62 %.

Addition:
1.0-3.0
See table below for exact range

DD28 Classic

DD28 Classic has a spherical design. Upper Segment can be ordered with same addition as the lower segment or with around 62 %.

Addition:
1.0-3.0
See table below for exact range

Note that the DD28 lens is symmetric so it can be fitted upside-down to have the lower addtion in the lower segment if desired. See the table below for the different combinations of additions.

Upper segment around 62 % of lower						
Upper	1.00	1.25	1.50	1.50	1.75	2.00
Lower	1.75	2.00	2.25	2.50	2.75	3.00

Upper and lower segment same addition							
Upper	1.50	1.75	2.00	2.25	2.50	2.75	3.00
Lower	1.50	1.75	2.00	2.25	2.50	2.75	3.00

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated	✓	-
	ML Dura	✓	1:7
	ML Prima +	✓	1:7
	ML Prima Sun	✓	1:7
Filter	ML Filter	✓	1:10
	ML Filter and grey/brown	✓	1:11
Tint	Tint < 97 %	✓	1:11
	Tint < 99 %	✓	1:11

Lens drawings

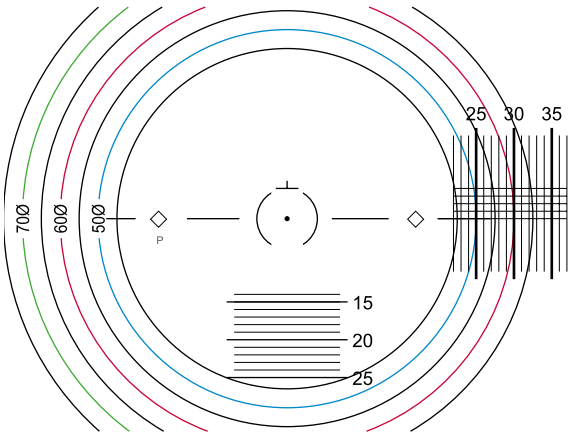
See page 1:51

Power limits

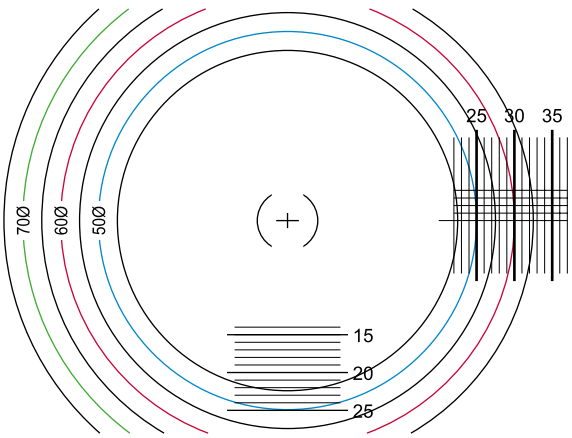
Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Upper Segment Lenses White				1.5
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
DD28 Perform	+12	-15	-15	8
DD28 Atoric	+12	-30	-15	8
DD28 Classic	+12	-60	-30	20
Possible powers for et/ct 8 mm				
Zone / Ø	*Sphere +*	*Max Ø*	*Sphere -*	*Max Ø*
35	+12	35	-16	75/90
45	+12	45	-10	75/95
55	+9	55	-6.5	75/105
65	+6.5	65	-5	75/105
75	+5	75	-3.5	75/105
95	+3	75/95	-2.5	75/105

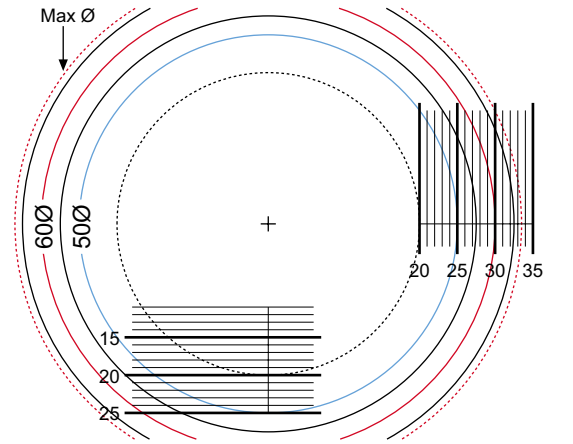
Lens drawings Single Vision & Single Vision High Powers



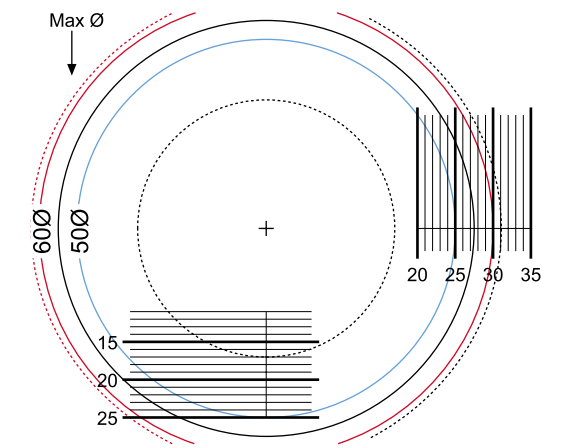
SV Perform



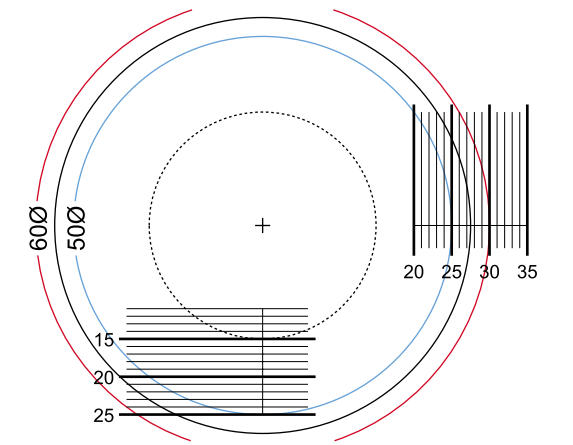
SV Atoric, SV Classic



Lenti Classic, Lenti Atoric, Omega Aspheric

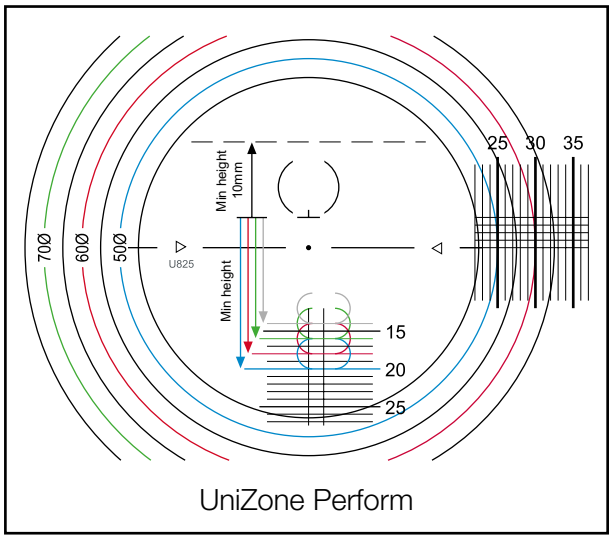


X-Lenti

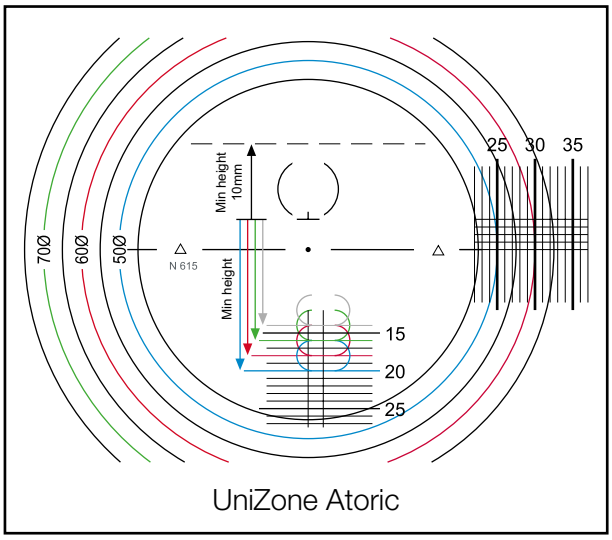


Lenti Optio Classic

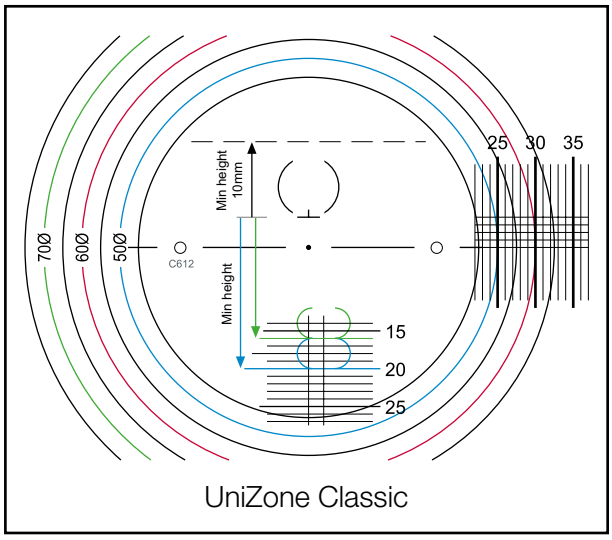
Lens drawings Progressive Allround



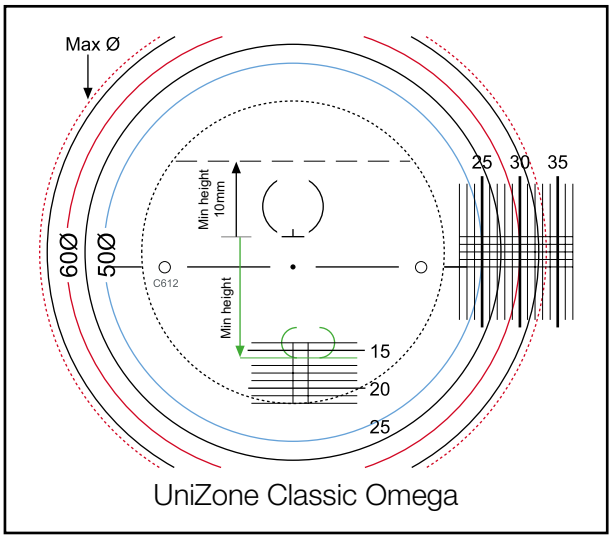
UniZone Perform



UniZone Atoric



UniZone Classic



UniZone Classic Omega

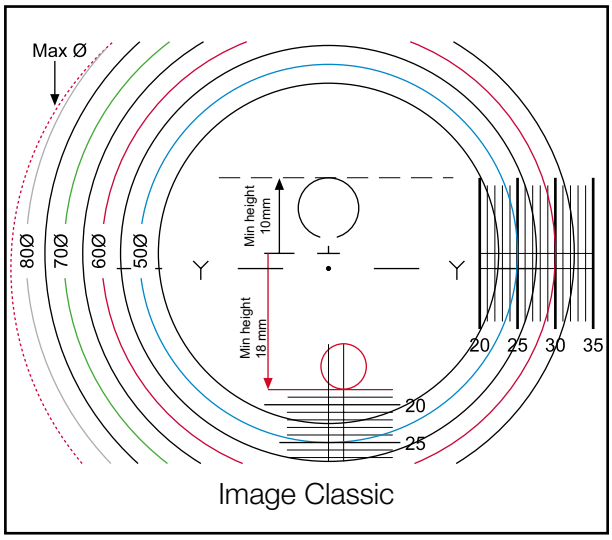
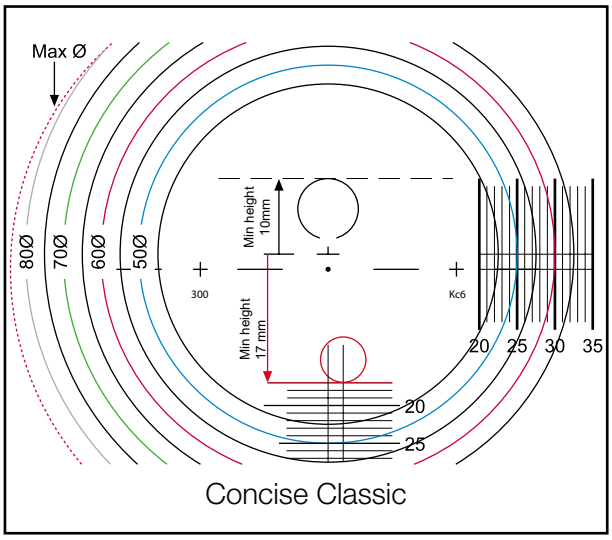
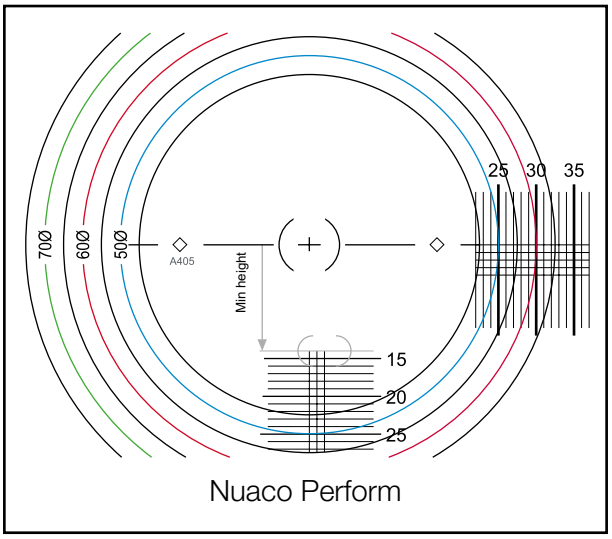


Image Classic

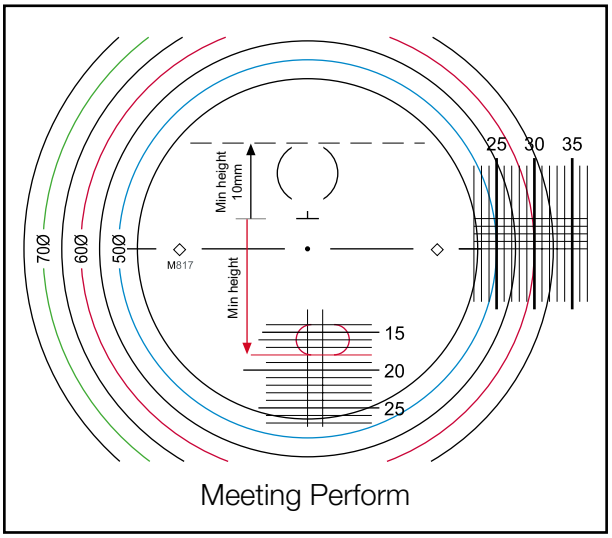


Concise Classic

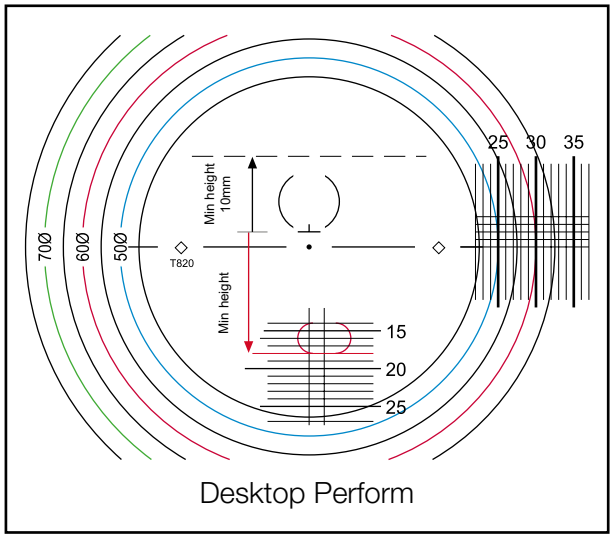
Lens drawings Progressive Allround, Office & Active



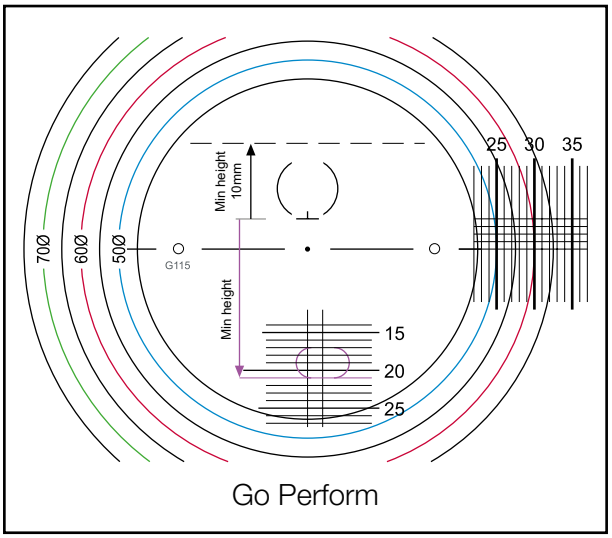
Nuaco Perform



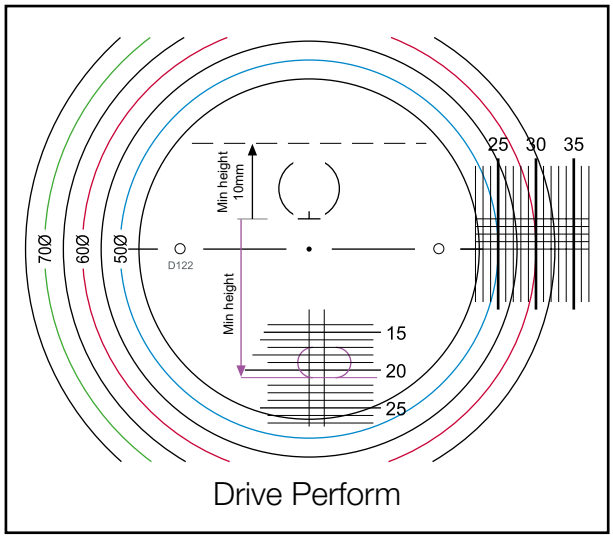
Meeting Perform



Desktop Perform

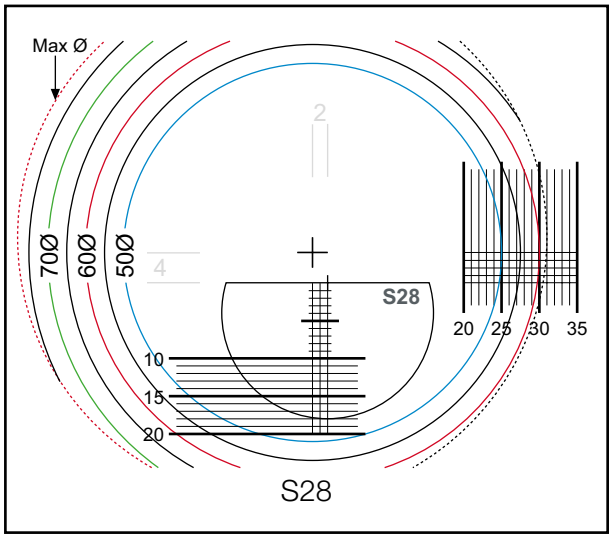


Go Perform

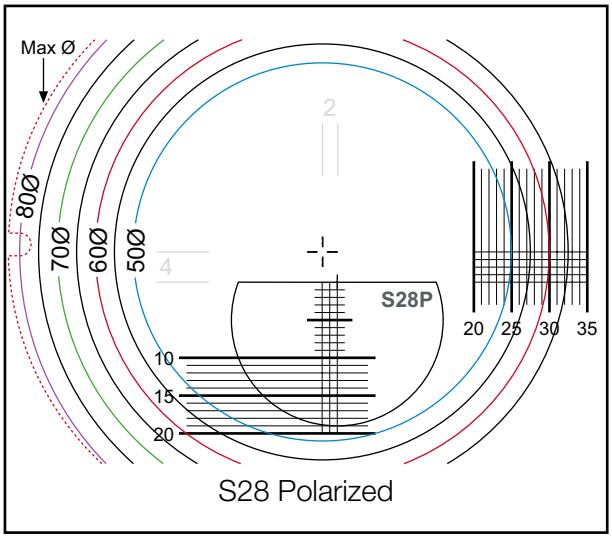


Drive Perform

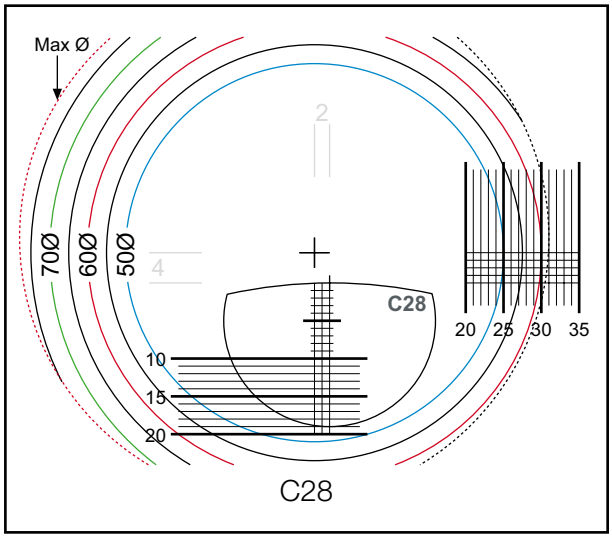
Lens drawings Bifocals



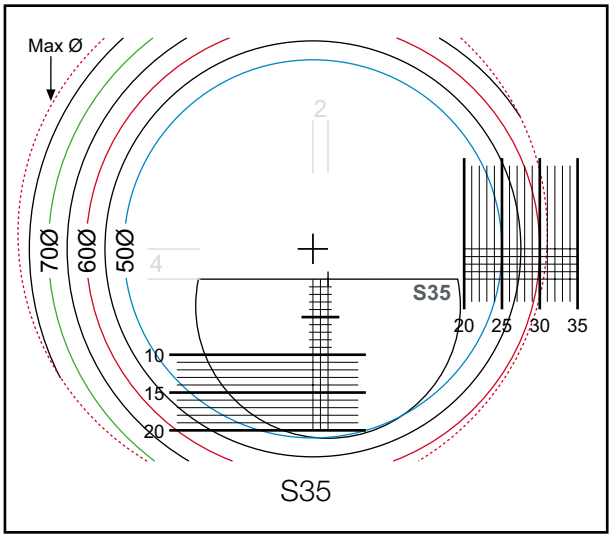
S28



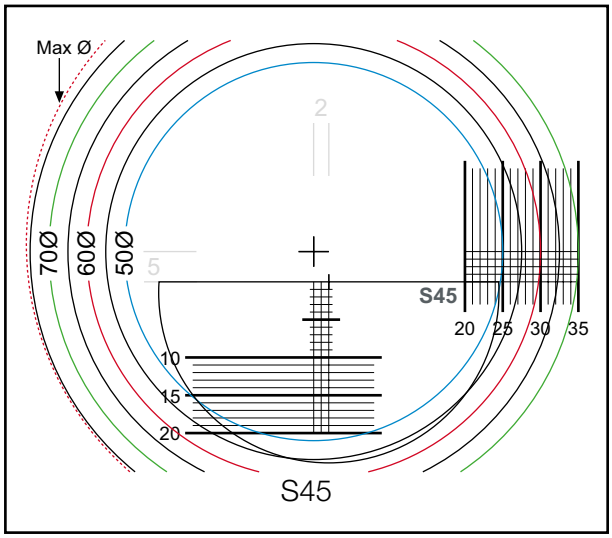
S28 Polarized



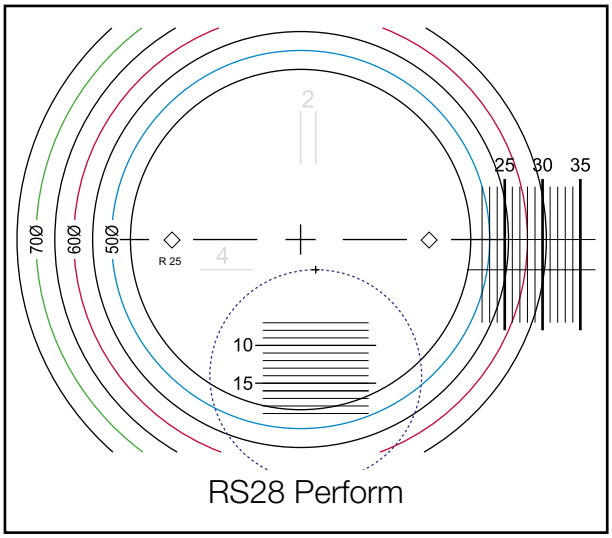
C28



S35

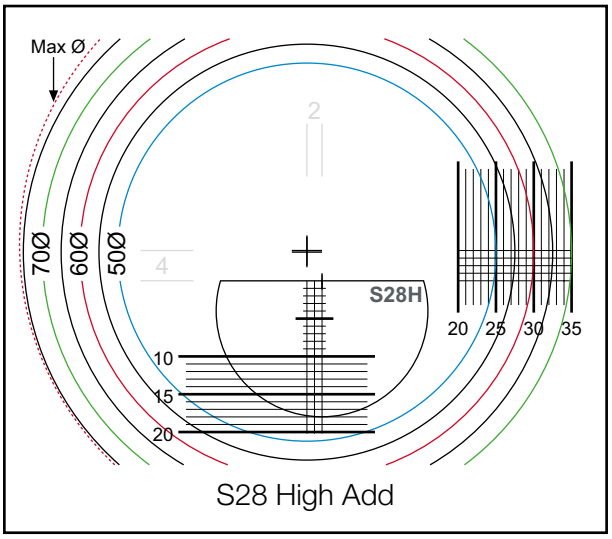


S45

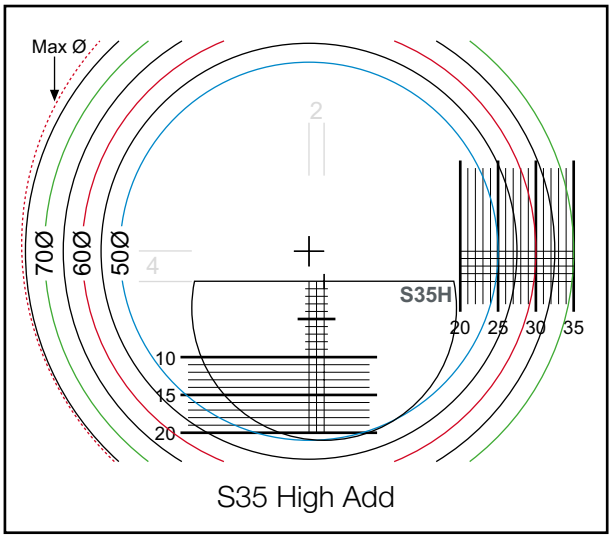


RS28 Perform

Lens drawings Bifocals High Add & Bifocals Optio



S28 High Add



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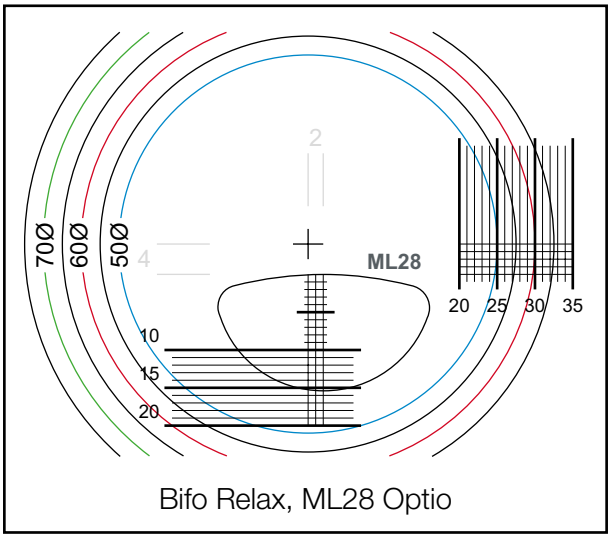
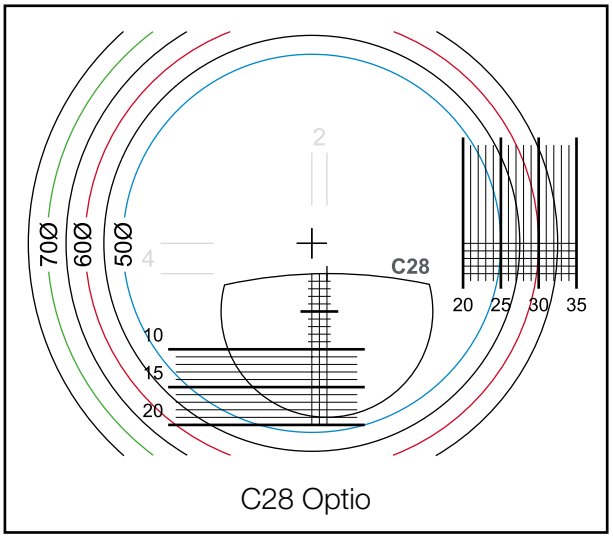
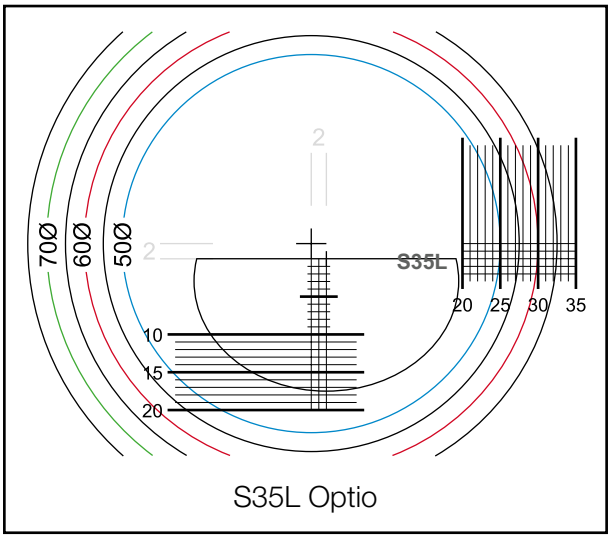


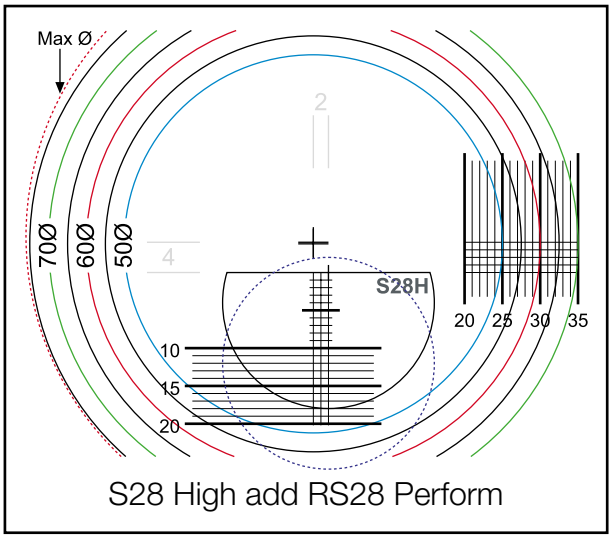
Bifo Relax, ML28 Optio



C28 Optio

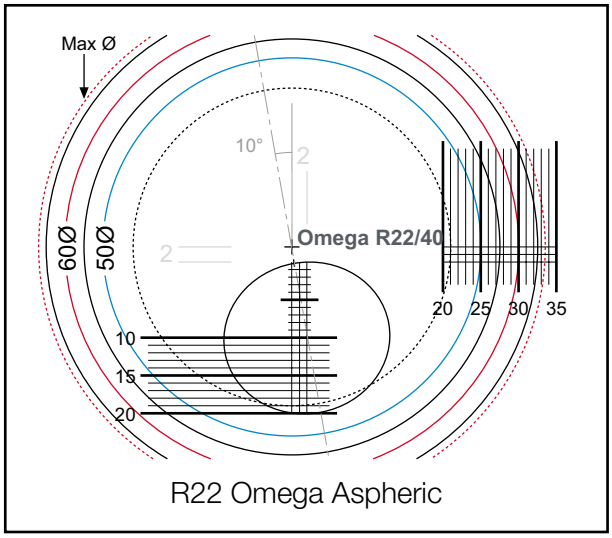


S35L Optio

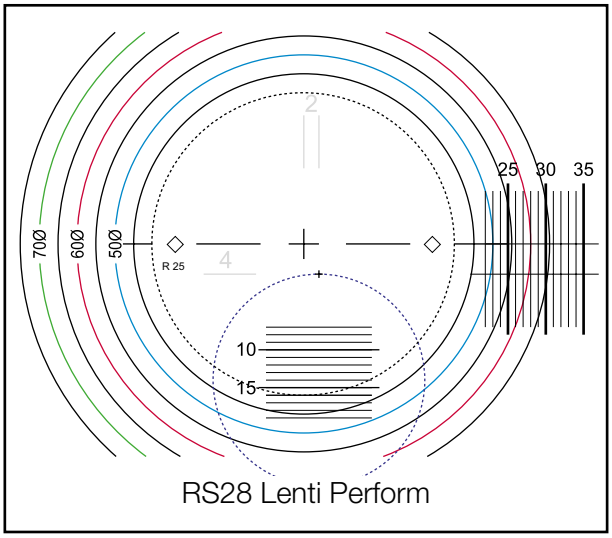


S28 High add RS28 Perform

Lens drawings Bifocals High Power

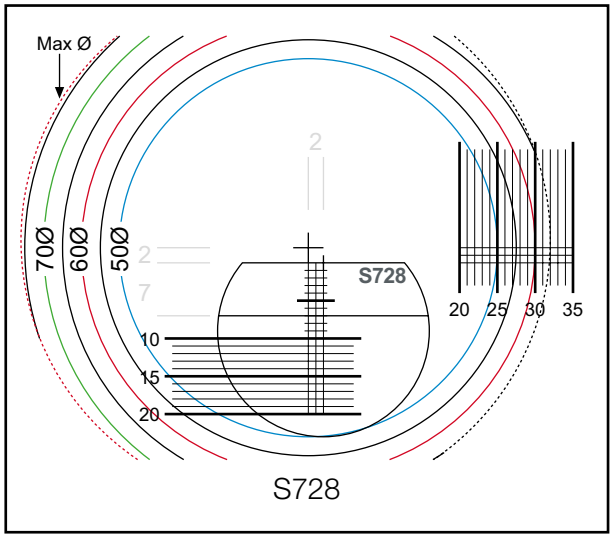


R22 Omega Aspheric

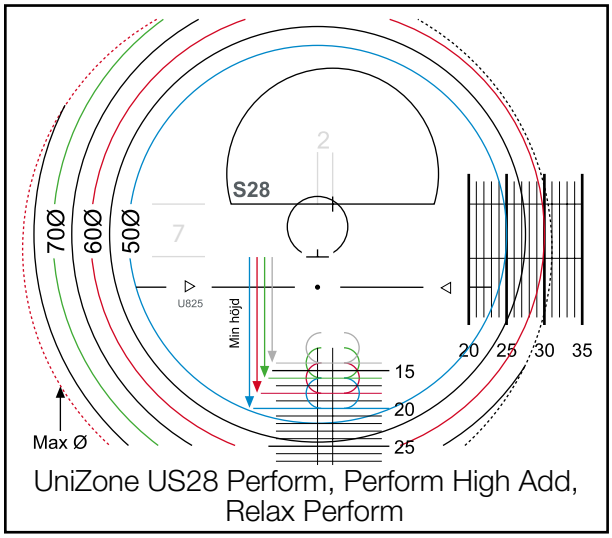


RS28 Lenti Perform

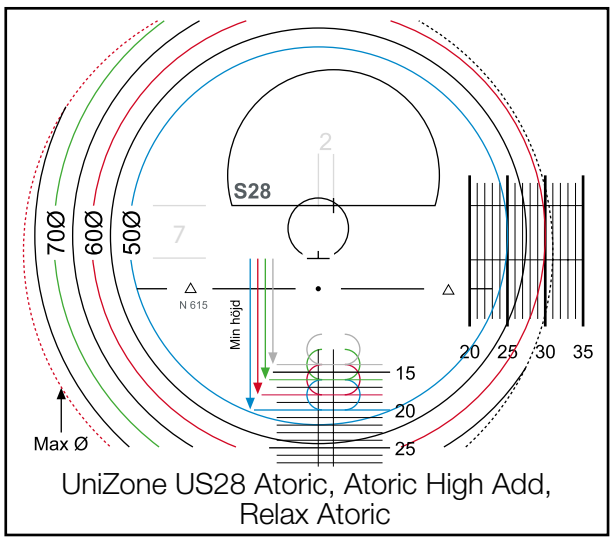
Lens drawings Trifocals and Upper Segment Lenses



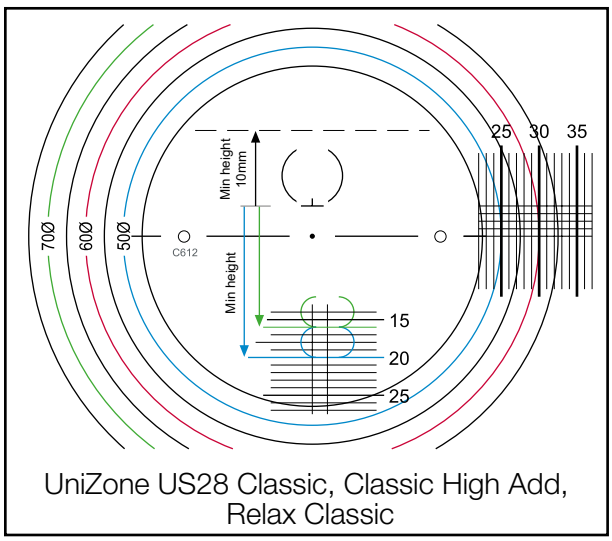
S728



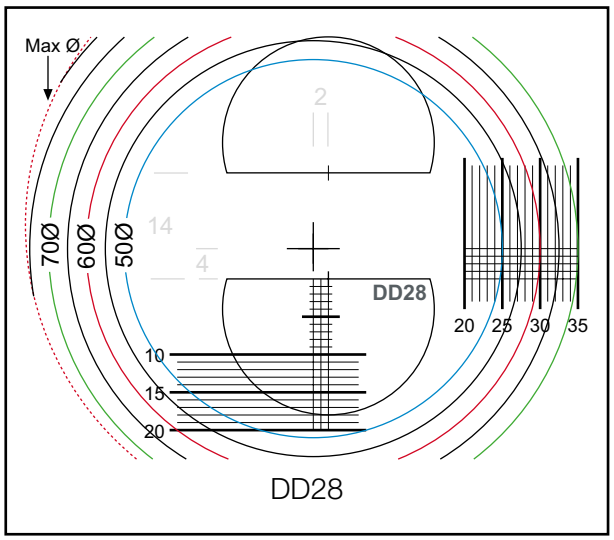
UniZone US28 Perform, Perform High Add, Relax Perform



UniZone US28 Atoric, Atoric High Add, Relax Atoric

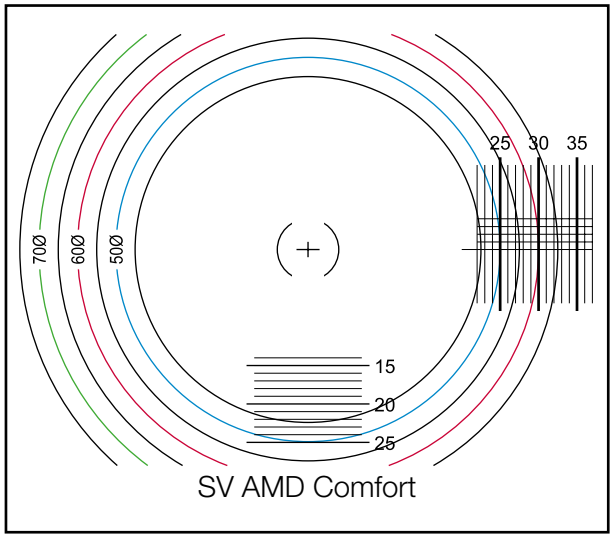


UniZone US28 Classic, Classic High Add, Relax Classic

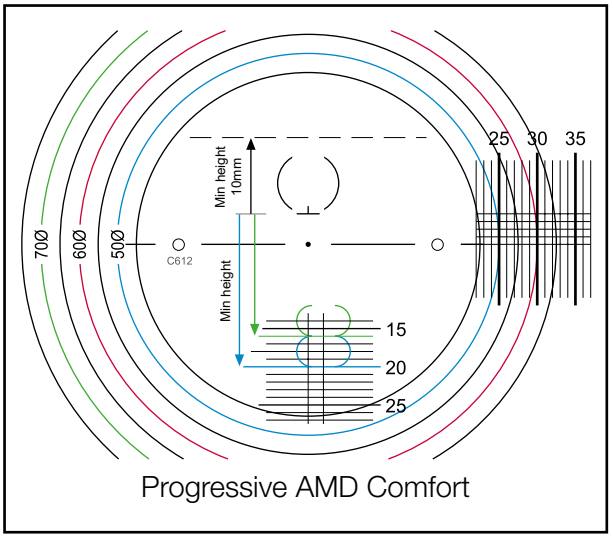


DD28

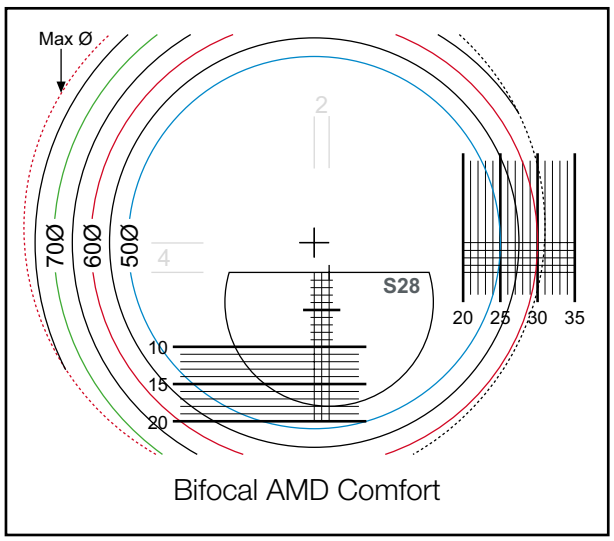
Lens drawings AMD Comfort



SV AMD Comfort



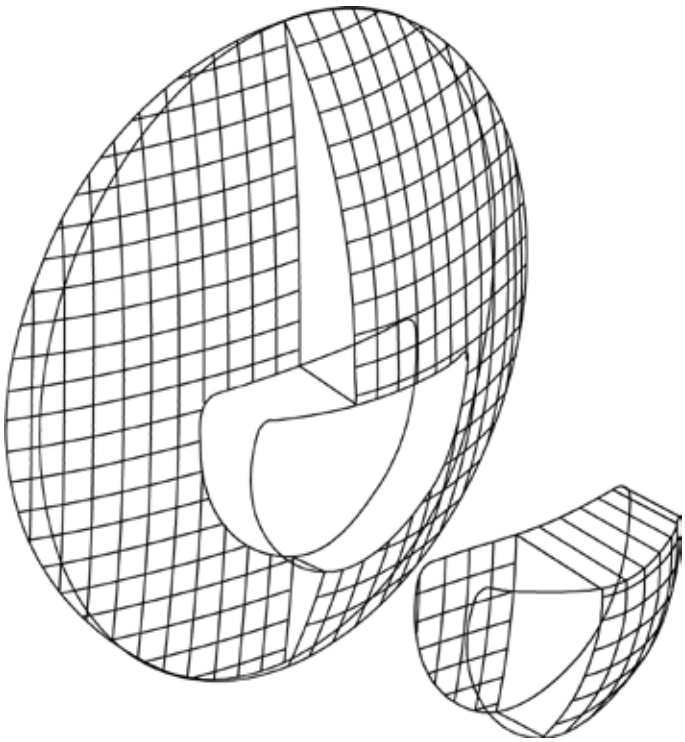
Progressive AMD Comfort



Bifocal AMD Comfort

MLOPTIO

Special lens for creative solutions

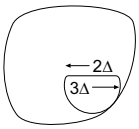


Standard glasses may not always be the optimal choice for competitive target shooters, fighter pilots or conductors. Why, for example, do bifocal glasses always have a smaller area for near vision and a larger area for far vision? Why not the other way round? “Optio” is a Latin word that means freedom of choice. The design of our special lens for creative solutions is essentially only limited by the imagination. Different parts are milled into a carrier lens to produce a tailor made, exact optical solution. There are vast possibilities for varying power and prism in different parts and the placing of segments.

POSSIBILITIES AND VARIATIONS

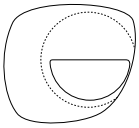
Different prisms in different segments

In ML Optio, it is possible to have different prisms in different segments. For example, prism base out only in far distances or prism base in only in near distances.



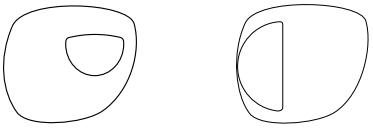
Strong addition

ML Optio offers strong addition options. Unwanted image jumping can be avoided by using a low segment and placing the optical centre together.



Special placement of segments

ML Optio offers the option of completely specifying segment placement.

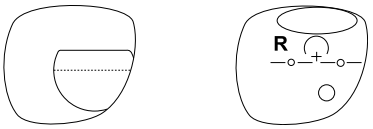


Smaller lenticula

With ML Optio you can obtain a lenticular that is adapted to the frame (e.g. children's frames). SV or bifocal.

Extra segment combined with multi focal lenses

ML Optio can be combined with any type of bifocal or multi focal lenses.



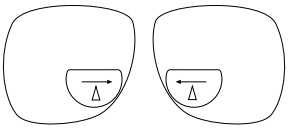
EXAMPLES OF CREATIVE SOLUTIONS

There are still many unsolved problems. You are our key link to customers/patients and we are therefore grateful if you share any ideas, questions or problems that you encounter. It is almost always possible to find a practical solution. Here are some of the effective solutions that we have delivered.

"Bino lens"

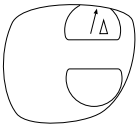
When the addition exceeds five dioptres, an adjusted prism base in needs to be introduced as a convergence aid for binocular vision.

This lens is also available as a standard lens with the name Classic Bifo Relax



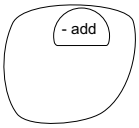
"Lens for a craftsman"

There is a prism base up in the upper segment, which will prevent neck musculature problems.



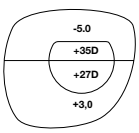
"Conductor/Pilot lens"

Where a smaller field of vision is required for far distances and a very large field is required for sheet music, cockpit controls etc. at close distances.



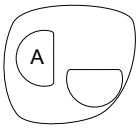
"Advanced solution for low vision patients"

Distance orientation –5.0D
Small text - Addition +40D
Headlines - Addition +32D
Near orientation - Addition +8.0D



"Shooting lens"

Lens made for marksmen. The segment is positioned so that the marksman can aim through the sight and see the target.



SEGMENTS DESIGN

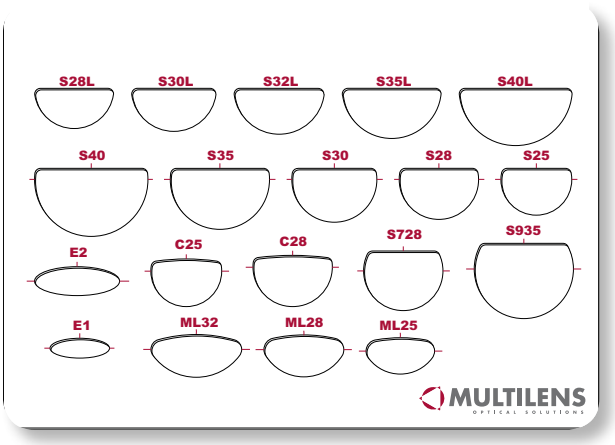
Low segment Suitable to avoid image jumping (see under “Strong addition”)

Normal segment

High segment Suitable for trifocal solutions and large vertical visual fields.

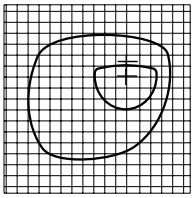
Ellips segment Suitable when using distance power under the near segment, for example, on stairs or on a boat deck. Also ideal as upper segments.

ML segment A more exclusive design with the same advantages as the ellipse segment.



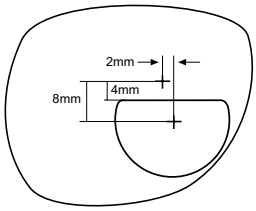
DRAWING

If the segment, optical centre or prism requires special positioning, it will help us if you include a simple sketch of the frame indicating your precise requirements.



POSITIONING THE OPTICAL CENTRES

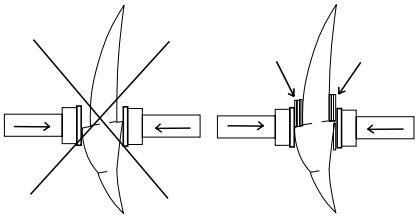
One of the advantages of the ML Optio lens, compared to a normal bifocal or trifocal, is that the optical centre is precisely positioned even in the reading sections. This can be compared to a standard lens where the position of the reading centre depends on the lens power and cylinder. If no special request is made for the positioning of the optical centre, it will be positioned as illustrated.



Positioning the optical centres

EDGING INSTRUCTIONS

If you decide to do the edging of the ML Optio yourself, a plastic stick with double sided adhesive tape will be delivered with the lens. You should use this to build up and even out the different levels of the lens. It is extremely important to distribute the pressure from the edging machine evenly on the lens. If in doubt, let us do the job and take the risk.



FILTER

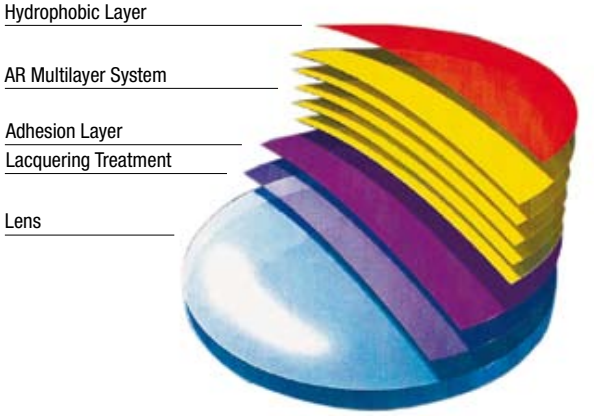
ML Optio can be combined with our whole range of filters.

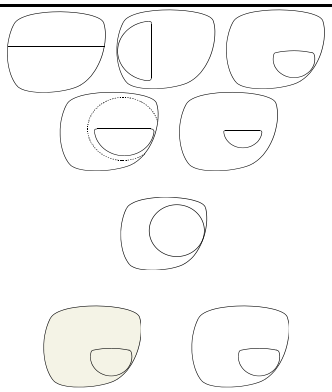
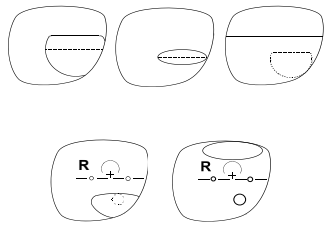
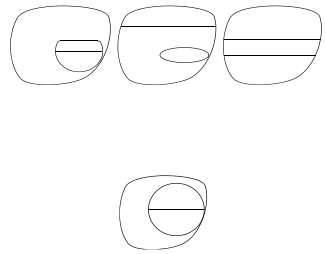
HARD COAT

ML Dura is our new hard coat treatment that gives the lens excellent scratch protection and improves the durability of the bounded edges of the segment. ML Dura is standard on all ML Optio lenses.

ANTI REFLECTION

ML PRIMA is a combination of the ML Dura and an eight layer anti reflection treatment. All ML Optios can be treated with ML Prima.



	Picture	Article	Specification	No.
BIFOCAL, GROUP 1		Optio Group 1	Bifocal lens using a single vision with one OPTIO-segment. Free choice of OPTIO segment. ML Dura included as standard.	21000
		Optio Group 1 Child Lenti	Special lens using one plano lens with one OPTIO segment with a diameter of 30, 28 or 25 mm. ML Dura included as standard.	21070
		Add cost with Polarization	As above but with polarization.	25700
		Add cost with Transitions	As above but with Transitions.	25500
TRIFOCAL, GROUP 2		Optio Group 2	Trifocal lens using a bifocal lens with one OPTIO segment. The bifocal lens could be cut down and used as the segment. Free choice of OPTIO segment. ML Dura included as standard.	22000
		"Pilot" lens	A progressive lens with one OPTIO segment. Free choice of OPTIO segment. ML Dura included as standard.	22065
		Add cost with Polarization	As above but with polarization.	25700
		Add cost with Transition	As above but with Transition.	25500
TRIFOCAL, GROUP 4		Optio Group 4	Trifocal lens using a single vision lens with two OPTIO segments. Free choice of OPTIO segment. ML Dura included as standard.	24000
		Optio Group 1 Child Lenti Bifocal	Special lens using one plano lens with one bifocal OPTIO segment (using two lenses) with a diameter of 30, 28 or25 mm. ML Dura included as standard.	21970
		Add cost with Polarization	As above but with polarization.	25701
		Add cost with Transitions	As above but with Transitions.	25501

** for specific art no. see list on next page.

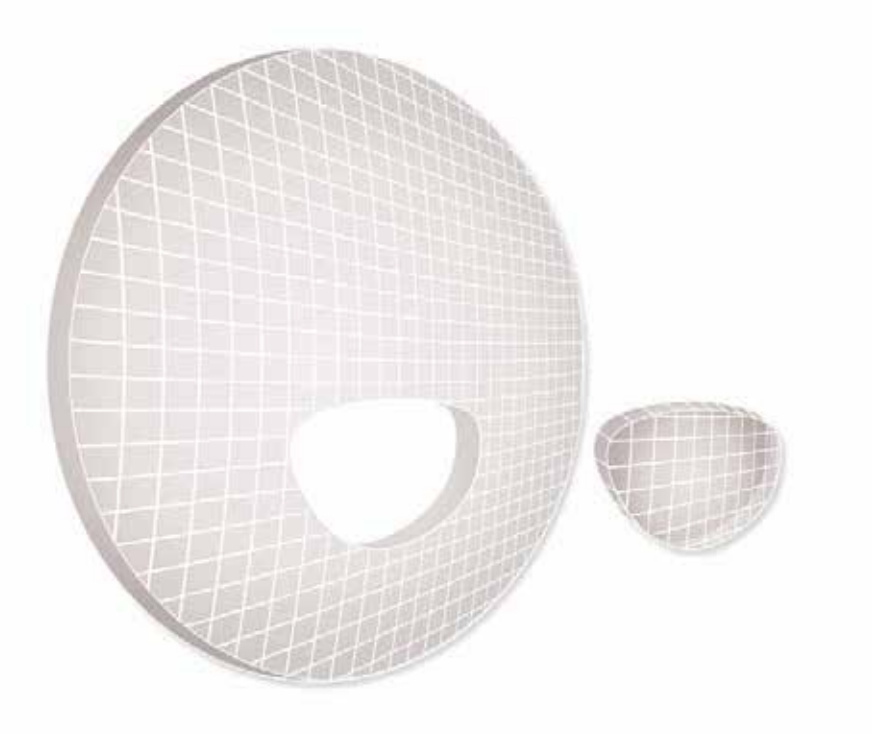
No additional cost for sphere, cylinder or prism! Diamini is included for ML Optio.

	Picture	Article	Specification	No.
Specific article numbers Group 1		ML Optio Grp 1 C28		21020
		ML Optio Grp 1 C25		21027
		ML Optio Grp 1 Elips 1		21031
		ML Optio Grp 1 Elips 2		21032
		ML Optio Grp 1 ML25		21047
		ML Optio Grp 1 ML28		21040
		ML Optio Grp 1 ML32		21045
		ML Optio Grp 1 S25L		21117
		ML Optio Grp 1 S28L		21110
		ML Optio Grp 1 S30L		21113
		ML Optio Grp 1 S32L		21115
		ML Optio Grp 1 S40L		21114
		ML Optio Grp 1 S35L		21118
		ML Optio Grp 1 S25		21217
		ML Optio Grp 1 S28		21210
		ML Optio Grp 1 S30		21213
		ML Optio Grp 1 S35		21218
		ML Optio Grp 1 S40		21214
		ML Optio Grp 1 S728		21310
		ML Optio Grp 1 S935		21318
		ML Optio Grp 1 E-line		21900
		ML Optio Grp 1 Child lenti		21070
		ML Optio Grp 1 Lenti		23679
		ML Optio Grp 1 Omega C28		23420
		ML Optio Grp 1 Omega ML28		23440
		ML Optio Grp 1 Omega S28L		23480
		ML Optio Grp 1 Omega S30L		23483
		ML Optio Grp 1 Omega S32L		23485
		ML Optio Grp 1 Omega S35L		23488
		ML Optio Grp 1 Omega S40L		23484
		ML Optio Grp 1 Omega E-line		23401
		ML Optio Grp 1 Lenti S28		23610
		ML Optio Grp 1 Lenti C28		23620
		ML Optio Grp 1 Lenti S28L		23680
		ML Optio Grp 1 Lenti S30L		23683
		ML Optio Grp 1 Lenti S40L		23684
Spec. No. Group 2		ML Optio Grp 2 Pilot		22065
		ML Optio Grp 2 Trifo 728		22350
		ML Optio Grp 2 Trifo 935		22358
		ML Optio Grp 2 S28 S28		22810
		ML Optio Grp 2 E-line S28L		22200
		ML Optio Grp 2 E-line S28		22910
		ML Optio Grp 2 E-line S25		22917
Group 4		ML Optio Grp 4 Child Lenti bifo		21970
		ML Optio Grp 4 Trifo 728		24350
		ML Optio Grp 4 Trifo 935		24358
		ML Optio Grp 4 S28		24810
		ML Optio Grp 4 S35		24818
		ML Optio Grp 4 E-line Trifo		24901

	Picture	Article	Specification	No.
ADD COST		Standard colour	Up to 50%	See below
		Standard colour dark	Up to 95%	See belo
		Gradient	Brown, Grey	See below
		Filter colour	400, 450, 500, 511, 527, 550 or 585 nm	300##
		Filter colour on Transitions lens	400, 450, 500, 511, 527, 550 or 585 nm	304##
		PRIMA on an ML Optio lens	Hard coat, Super-antireflection, Aqua coat	01008
		PRIMA+ on an ML Optio lens	Hard, Super-AR, Anti-static, Cleancoat	01016
EDGING		Edging standard ML Optio	All powers	07019
		Add cost		
		Edging four holes ML Optio		07017
		Add- on Drilling of holes		07018
		Add-on Change of lens shape	Based on template	07012
		Add on Edge polish	Add cost per side	07006
		Other special work	Per started half hour	07007

##: Initial two figures of the filter colour
(400 = 40 / C1 = 31 / 450 = 45 / 500 = 50 / 511 = 51 / 527 = 52 / 550 = 55 / 585 = 58)
Standard colours: Codes for tinting of standard colours can be found on www.multilens.com

CREATIVE SOLUTIONS



In previous chapter, we have presented our lens program product by product. Sometimes it's hard to understand what we actually can do. In this chapter, we present some of the possibilities with our lens program as well as package solutions.

SWIM GOGGLES

To use correction during swimming or bathing is often overlooked. One reason could be that you don't think about it and another reason could be that you don't think it's possible. We believe most would agree about the convenience to have good vision when swimming. With the help of swimming goggles from Multilens this can be achieved.

We have the black and white colours on stock in two sizes, senior and junior. It's also possible to order blue, red, yellow and pink (only junior size).

The swimming goggles are available in these powers:

Group	**Power**
Group 1	+6/-6 Cyl -4
Group 2	+12/-12 Cyl -6
Group 3	+24/-24 Cyl -8
Group 0	plano*

Both sizes has an adjustable nose piece, which means that correct DBL (Distance Between Lenses) must be given to recieve correct pd.
The Senior size is delivered with three different nose pieces with 18, 20 and 22 mm respectively. 20 mm is default if nothing is noted on the order.
The Junior size has an adjustable nose piece with three notches on each side. Default is middle-middle.

We are always trying to achieve a plano front surface in order to provide correction both under water and in the air. If plus powers, we have to make a convex front. Don't hesitate to ask us if there are any questions.

Add-ons such as polarization, photochromic or tints are available.

Article	Specification	No.
Swim goggles Senior Group 1	Delta RX - Black Senior	29014
	Delta RX - White Senior	29017
	Delta RX - Blue Senior*	29020
	Delta RX - Red Senior*	29023
	Delta RX - Yellow Senior*	29026
Swim goggles Senior Group 2	Delta RX - Black Senior	29015
	Delta RX - White Senior	29018
	Delta RX - Blue Senior*	29021
	Delta RX - Red Senior*	29024
	Delta RX - Yellow Senior*	29027
Swim goggles Senior Group 3	Delta RX - Black Senior	29016
	Delta RX - White Senior	29019
	Delta RX - Blue Senior*	29022
	Delta RX - Red Senior*	29025
	Delta RX - Yellow Senior*	29028
Swim goggles Senior Group 0	Delta RX - Black Senior	91082
	Delta RX - White Senior	91083
	Delta RX - Blue Senior*	91084
	Delta RX - Red Senior*	91085
	Delta RX - Yellow Senior*	91086

* Swim goggles not in stock. 2-3 weeks longer delivery

Article	Specification	No.
Swim goggles Junior Group 1	Delta RX Jr - Black Junior	29029
	Delta RX Jr - White Junior	29032
	Delta RX Jr - Blue Junior*	29035
	Delta RX Jr - Red Junior*	29038
	Delta RX Jr - Yellow Junior*	29041
	Delta RX Jr - Pink Junior*	29044
Swim goggles Junior Group 2	Delta RX Jr - Black Junior	29030
	Delta RX Jr - White Junior	29033
	Delta RX Jr - Blue Junior*	29036
	Delta RX Jr - Red Junior*	29039
	Delta RX Jr - Yellow Junior*	29042
	Delta RX Jr - Pink Junior*	29045
Swim goggles Junior Group 3	Delta RX Jr - Black Junior	29031
	Delta RX Jr - White Junior	29034
	Delta RX Jr - Blue Junior*	29037
	Delta RX Jr - Red Junior*	29040
	Delta RX Jr - Yellow Junior*	29043
	Delta RX Jr - Pink Junior*	29046
Swim goggles Junior Group 0	Delta RX Jr - Black Junior	91087
	Delta RX Jr - White Junior	91088
	Delta RX Jr - Blue Junior*	91089
	Delta RX Jr - Red Junior*	91090
	Delta RX Jr - Yellow Junior*	91091
	Delta RX Jr - Pink Junior*	91092

* Swim goggles not in stock. 2-3 weeks longer delivery

*=Group 0 cannot be tinted or combined with other treatments

AMDCOMFORT

People with AMD (Age related Macula Degeneration) very often have difficulties in getting everyday optics that really help them see significantly better. Normally they are offered standard optics which might help a bit, but an eye with AMD needs more than just the power correction. There are more that could be added.

Therefore we offer AMD Comfort.

AMD Comfort offers people who suffer from AMD a vast improvement to their sight along with enhanced visual comfort. It is easy to understand, easy to try and last but not least, easy to prescribe and order.

AMD-COMFORT – A SPECIAL KIND OF LENS

AMD Comfort is a specially developed ophthalmic lens for people suffering from AMD. For those affected by this condition, AMD Comfort offers a vast improvement to their sight along with enhanced visual Comfort.

AMD Comfort achieves these improvements through 4 main features:

COMFORT FILTER

The specially developed comfort filter offers the eyes the best possible protection against aggressive UV light, while reducing their sensitivity to bright daylight or sunlight. The comfort filter substantially reduced the blue components of the visible light, yet the rest of the spectrum is retained which helps to ensure natural colour vision.

MAGNIFICATION

AMD lenses provides a magnification that make more of the retina involved in the seeing process. The magnification is enough to make a difference for the wearer, but not so big that that field of vision is reduced.

The magnification is achieved with a special grinding technic, which makes the lens more curved and a bit thicker.

There are 2 magnifications available, AMD-I and AMD-II. AMD-I provides a balance between cosmetically appearance and magnification, whilst AMD-II provides more magnification but where the lens is thicker.

AMD-I means a magnification around 3% and AMD-II means a magnification of about 6 %. The exact magnification may vary up and down depending on the prescription and the lens selection.

REFLEX REDUCTION

Antireflex treatment is standard in AMD Comfort, improving comfort and decreasing glare.

INCORPORATED RX

When a person does not see normal, the first thing to check is if it is possible to correct with optics of some kind. The same applies for AMD patients; the first thing that should be done is to find out which prescription they need.
Therefore all AMD Comfort lenses are specially made for each person with individual correction to make them as optimal as possible.

EASY TO USE, EASY TO PRESCRIBE

The AMD comfort lenses consist of proven optical technology packaged into simply to prescribe, yet very efficient, lenses to aid AMD patients and other people with reduced visual ability. The way it is packaged makes it easy to for the optician to prescribe and easy for the patient to get used to.

EASY TO TRY

To try out AMD Comfort on a patient, there are simple trial sets to be used. Let the patient experience the difference by either attaching a AMD Comfort flip-up or hold the AMD Comfort flirp in front of their normal spectacles.

EASY TO ORDER

For the optician, the procedure to order an AMD Comfort lens is the same as for ordering a standard lens.

EASY TO USE

The AMD comfort lens requires no time for adaption for the user, still he / she will immediately be able to take advantage of the benefits of better contrast, better visual acuity and improved comfort.

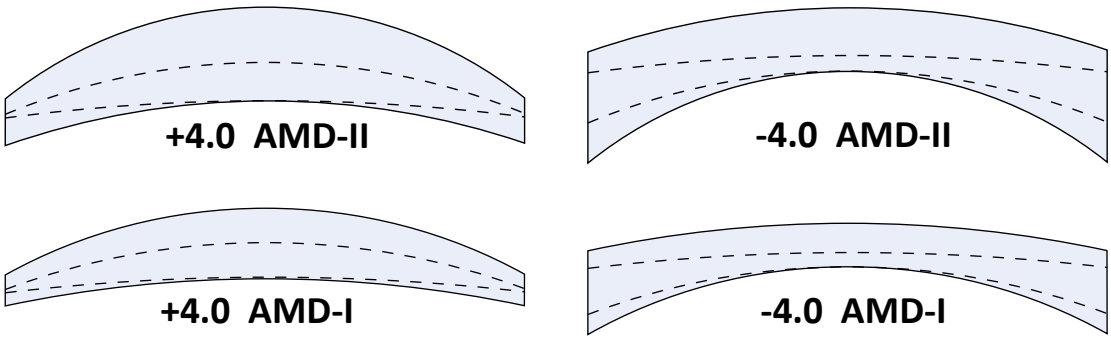


Illustration of increased thincknes of lenses becase of AMD Comfort.

AMD COMFORT LENSES

The lenses are based on lenses from Multilens Lens Program. We have selected a progressive, a single vision and a bifocal lens that works well with AMD comfort and that suits most people.

Below you'll find relevant information about AMD comfort and the lenses. On the next page, there are exact limits and lens drawings.

CRITERIA FOR AMD COMFORT LENSES

The main criteria that we have looked at when selecting lenses are:

PROGRESSIVE

- Large field of vision
- Clear design
- Possibility for high addition
- Possibility to add polarization and transition

BIFOCAL

- Possibility for high additions
- Possibility to add polarization and transition

SINGLE VISION

- Possibility to add polarization and transition

STANDARD PRODUCTS

We have a number of cover frames with AMD Comfort in plano powers. You can find information about these products in our catalogue ML Filter and Filterglasses.

AMD Comfort SV

Basic design:
SV Classic

AMD versions:
AMD-I och AMD-II

Transitions and polarized options:
Yes

Power range:
See next page

AMD Comfort progressive

Basic design:
UniZone Classic

AMD versions:
AMD-I and AMD-II

Corridor lengths:
Minimum fitting height 16 mm or 20 mm

Addition:
0.75 D to 4.0 D

Transitions and polarized options:
Yes

Power range:
See next page

AMD Comfort bifocal

Basic design:
S28 Classic

AMD versions:
AMD-I och AMD-II

Addition:
0.75 D till 6.0 D

Transitions and polarized options:
Yes, up to Add +4.0

Power range:
See next page

AMD Comfort
White, Polarized and Transitions

1.50

Single Vision AMD Comfort

A SV lens with classic design. A small magnifying effect in combination with a filter. Available in AMD I with 3 % magnification and AMD II with 6 % magnification

Layers, Coatings and Tints

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %	✓	1:8
	Pol 3 Grey 83 %	✓	1:8
	Pol Brown 78 %	✓	1:8
	Pol Green 85 %	✓	1:8
Trans	Transitions Signature Grey	✓	1:8
	Transitions Signature Brown	✓	1:8
	Transitions XTRActive	✓	1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated		-
	ML Dura		1:7
	ML Prima +	✓	1:7
	ML Prima Sun		1:7
Filter	ML Filter		1:10
	ML Filter and grey/brown		1:11
Tint	Tint < 97 %		1:11
	Tint < 99 %		1:11

Lens drawings

See page 1:51

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

SV AMD Comfort White	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
SV AMD Comfort I	+8	-8	-6	4
SV AMD Comfort II	+6	-6	-6	3

Progressive AMD Comfort Polarized	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
Prog AMD Comfort I	+8	-8	-6	4
Prog AMD Comfort II	+6	-6	-6	3

SV AMD Comfort Transitions	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
SV AMD Comfort I	+8	-8	-6	4
SV AMD Comfort II	+6	-6	-6	3

Progressive AMD Comfort

A progressive lens with same design as UniZone Classic. Magnifying effect and a filter. Available in AMD I with 3 % magnification and AMD II with 6 % magnification.

1.50

Addition:
0.75-4.0

Engraving
Sign: C **Symbol:** O

Minimum Fitting height:
16 mm
20 mm

Design variations:
Balance

Soft/Clear:
Clear

Default parameters:
Design: Balance Clear

Layers, Coatings and Tints

	Layers	1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %	✓	1:8
	Pol 3 Grey 83 %	✓	1:8
	Pol Brown 78 %	✓	1:8
	Pol Green 85 %	✓	1:8
Trans	Transitions Signature Grey	✓	1:8
	Transitions Signature Brown	✓	1:8
	Transitions XTRActive	✓	1:8
	Transitions Drivewear		1:8

	Coatings & Tints	1.50	Info
Coating	Uncoated		-
	ML Dura		1:7
	ML Prima +	✓	1:7
	ML Prima Sun		1:7
Filter	ML Filter		1:10
	ML Filter and grey/brown		1:11
Tint	Tint < 97 %		1:11
	Tint < 99 %		1:11

Lens drawings

See page 1:51

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Progressive AMD Comfort White	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
Prog AMD Comfort I	+8	-8	-6	4
Prog AMD Comfort II	+6	-6	-6	3

Progressive AMD Comfort Polarized	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
Prog AMD Comfort I	+8	-8	-6	4
Prog AMD Comfort II	+6	-6	-6	3

Progressive AMD Comfort Transitions	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
Prog AMD Comfort I	+8	-8	-6	4
Prog AMD Comfort II	+6	-6	-6	3

S28 AMD Comfort

A bifocal lens with an S28 segment. Magnifying effect and a filter. Available in AMD I with 3 % magnification and AMD II with 6 % magnification.

1.50

Note that for additions more than +4.0, AMD II is not possible.

Addition:
0.75-4.0 (white)
1.0-4.0 (Transitions)
4.5-6.0 (only white)

Layers, Coatings and Tints - AMD Comfort Bifo

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %	✓	1:8
	Pol Brown 78 %	✓	1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey	✓	1:8
	Transitions Signature Brown	✓	1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated		-
	ML Dura		1:7
	ML Prima +	✓	1:7
	ML Prima Sun		1:7
Filter	ML Filter		1:10
	ML Filter and grey/brown		1:11
Tint	Tint < 97 %		1:11
	Tint < 99 %		1:11

Layers, Coatings and Tints - AMD Comfort Bifo High Add

Layers		1.50	Info
Pol	No layer	✓	-
	Pol 1 Grey 65 %		1:8
	Pol 3 Grey 83 %		1:8
	Pol Brown 78 %		1:8
	Pol Green 85 %		1:8
Trans	Transitions Signature Grey		1:8
	Transitions Signature Brown		1:8
	Transitions XTRActive		1:8
	Transitions Drivewear		1:8

Coatings & Tints		1.50	Info
Coating	Uncoated		-
	ML Dura		1:7
	ML Prima +	✓	1:7
	ML Prima Sun		1:7
Filter	ML Filter		1:10
	ML Filter and grey/brown		1:11
Tint	Tint < 97 %		1:11
	Tint < 99 %		1:11

Lens drawings

See page 1:51

Power limits

Below, you'll find power limits for the lenses. More detailed information available on www.multilens.com
The "Sphere -" value is always combined power sphere and cylinder.

Bifocal AMD Comfort White	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
Bifo AMD Comfort I	+6	-8	-6	4
Bifo AMD Comfort II	+4	-6	-6	3

Bifocal AMD Comfort Polarized	1.5			
Max possible power				
Lens	*Sphere*	*Sphere -*	*Cylinde*	*Prism*
Bifo AMD Comfort I	+6	-8	-6	4
Bifo AMD Comfort II	+4	-6	-6	3

Bifocal AMD Comfort Transitions	1.5			
Max possible power				
Lens	*Sphere*	*Sphere -*	*Cylinde*	*Prism*
Bifo AMD Comfort I	+6	-8	-6	4
Bifo AMD Comfort II	+4	-6	-6	3

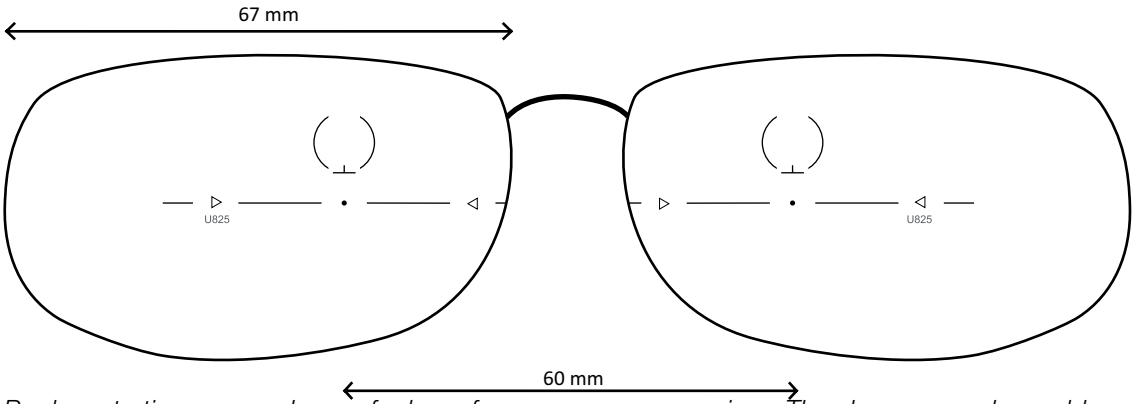
Bifocal AMD Comfort High Add White	1.5			
Max possible power				
Lens	*Sphere +*	*Sphere -*	*Cylinder*	*Prism*
Bifo AMD Comfort I	+4	-6	-6	4
Bifo AMD Comfort II	-	-	-	-

LENSES FOR LARGE CURVED SPORT FRAMES

When you intend to fit a modern sport frame with RX lenses you face challenges that normally are not present for standard ophthalmic spectactles:

You need a large lens

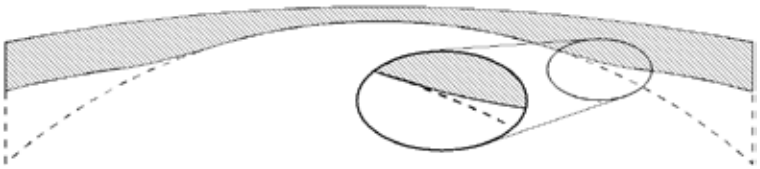
With decentration of the optical centre we can produce ML Filter lenses with diameters up to 105 mm. This is of course true for Single Vision lenses as well as our freeform progressives.
What is less known is that we can also do this with our bifocal lens RS28.



By decentration, we can lenses for large frames, even progressives. The above example would need a diameter of 90 mm when measured traditionally.

Curved lens normally means thick lens

A thick lens means added weight and sometimes it needs to be so thick that it can't be produced. Our solution to this is our special grinding technics Hypersoft and Myosoft. With a slow change in curvature on the backside of the lens, we can produce thinner lenses, allowing for higher powers than otherwise would be possible. See the illustrations below.



Edge reduction for minus lenses with a soft overlap from optical zone to carrier. The optical zone will be adjusted according to power and frame shape.

Edge reduction for plus lenses with a soft overlap from optical zone to carrier. The optical zone will be adjusted according to power and frame shape.

The optics need to be adapted to a wrapped frame

Since sport frames very often is wrapped, the optics needs to be adapted accordingly. If no adaption is made, the wearer may experience problems with wrong correction as well as strain due to induced prism effects. Our Perform lenses compensates for these issues (and others) allowing a better vision.

Not normal edging - hooks, holes & challenging shapes

Very often sport frames are not only wrapped, but also requires hooks and holes in the lens to make it stay. Furthermore, they are designed to hold plano lenses and not RX lenses. When glacing it with RX lenses, you need to adapt the edged form to curves, edges and other details that often exist in these frames. This could be a problem, but Multilens has the latest machinery to handle these challenges.

UPPER SEGMENT LENSES

Sometimes, there is a need of having a reading part in the upper part of a lens to see things high up. There are a lot of professions and hobbies where this is needed. We can do this in a number of ways. The easiest thing is to use a normal bifocal lens and fit it upside down. We are able to do this with a progressive design as well. Instead of an upside down bifocal lens, we can use an Optio solution. This means that we can include a convergence prism in the upper segment which reduces eye strain and increases comfort. See below the different solutions that are possible.

An upper segment can be of great help for many people. We have a number of alternatives. On this page, some of the alternatives are listed for inspiration.

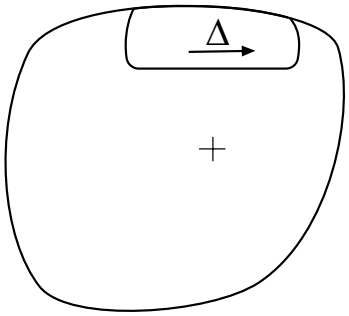
ALTERNATIVE 1 – UPSIDE DOWN BIFOCALS

Advantage: Affordable option, available with progressive or SV.
Disadvantage: Might be difficult with the convergence. Anisometropia can cause problem because of the prismatic effect.

ALTERNATIVE 2 – ADVANCED SOLUTION WITH CONVERGENCE SUPPORT

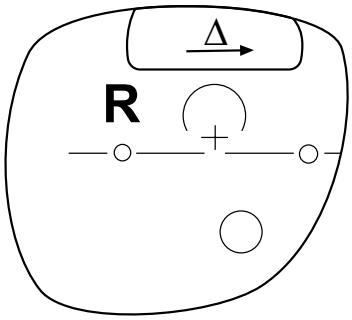
Advantage:
Exact taylor-made solution with convergence prism to increase comfort. Many different options.
Disadvantage:
More expensive than alternative 1. Might be hard to overview all the possibilities.

Bifocal lens with an upper reading part
Available both with and without convergence prism. Also possible to add a prism base up to reduce the eye and neck movement.



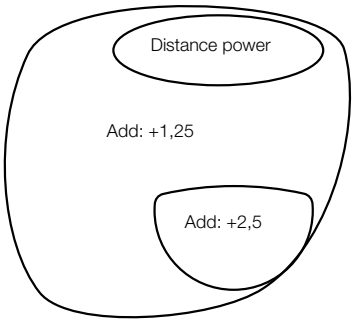
How to order: Order a SV lens with an upper segment addition or order an ML Optio bifocal group 1, see page 2:4.

Progressive lens with an upper reading part
Available both with and without convergence prism. Also possible to add a prism base up to reduce the eye and neck movement.



How to order: See page 1:29-1:32 for our standard Upper segment lenses. It's also possible to order your segment of choice, see page 2:3 for our available segments.

Distance power in an upper segment
With our Optio lenses, we can do almost whatever you need. Imagine an office lens with the largest area for the computer screen and a small addition for reading and a small segment in the top for distance viewing. This is just a suggestion to give you an idea of what we can do.



How to order: ML Optio trifocal group 2, see page 2:4.

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