



**OPTICS
SPECIAL OPTICS
FRAMES**



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 30 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.

Need more information?

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

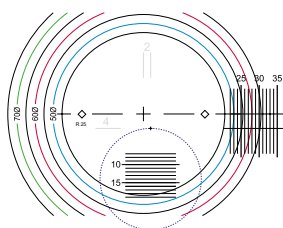
Web: www.multilens.com
www.mlfilter.com

email: info@multilens.com

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

HIGHLIGHTS

Freeform bifocal



With our invisible freeform bifocal new possibilities opens up.

page 1:25

Upper segment



Addition is not only needed for reading.

Page 1:29-1:33 and 3:8

AMD Comfort



The ideal lens for AMD patients.

Page 3:3-3:6

ML Filter on index 1.6



We tint all ML Filter colours on 1.6-lenses.

Page 1:10

RX for sport frames



Sport frames are challenging. But not too challenging.

Page 3:7

Bifo Relax

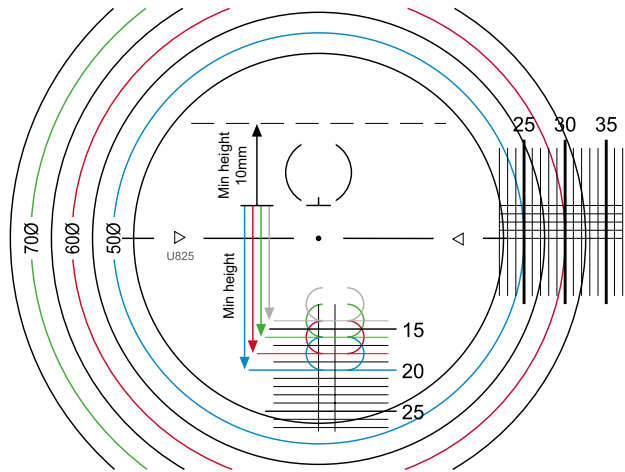


High addition without eye strain

Page 1:24

TABLE OF CONTENTS

ML Lens program	
Information	1:1
Single Vision	1:12
Singel Vision High Power	1:14
Progressive Allround	1:16
Progressive Office	1:19
Progressive Active	1:20
Bifocal	1:21
Bifocal round segment	1:25
Bifocal Optio	1:26
Trifocal	1:28
Upper Segment lenses	1:29
ML Optio	
Information	2:2
Article numbers	2:4
Creative solutions	
Swim goggles	3:2
AMD Comfort	3:3
Lenses for Large curved sport frames	3:7
Upper segment lenses	3:8
ML Frames	
Information	4:2
Standard frames	4:3
Children frames	4:6
Half frames	4:9
Sun frames	4:11
Covers	4:16



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.

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.

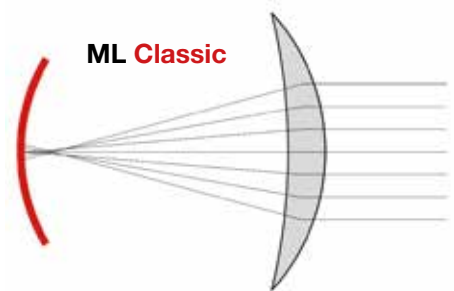
ML Classic

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. The higher power, the higher spherical aberration. Same impact for plus and minus lenses.



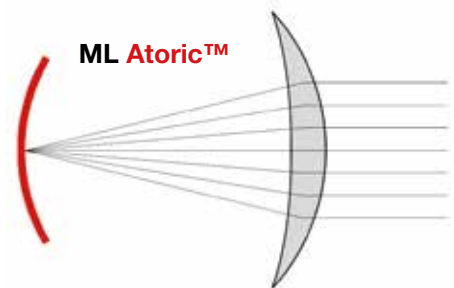
ML Atoric™

Back side atoric optics.

A traditionally aspheric lens has a generally 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 little flatter and thinner lenses.

DISADVANTAGE: Only compensates for a visual angle straight forward through a non-tilted lens.



ML Perform™

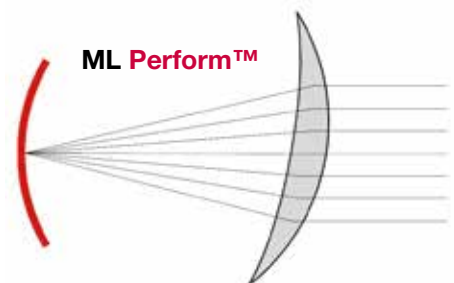
Back side 3D fully optimized optics.

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:

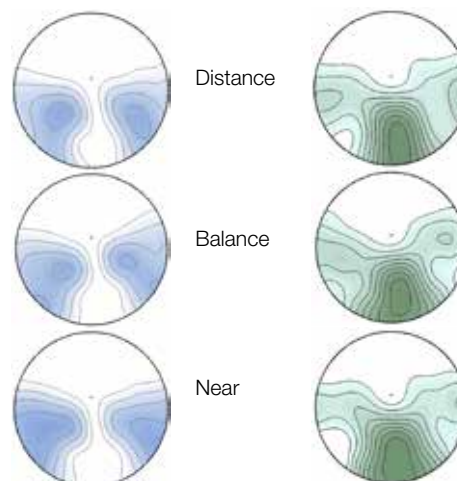
A displacement of the distortions towards a wider field of view in the distance part of the lens and a narrower near part.

Balance:

Good compromise between distance, intermediate and near.

Near:

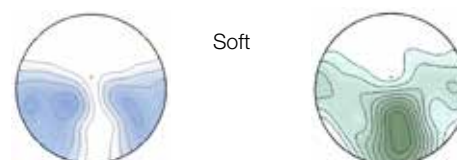
A displacement of the distortions towards a wider field of view in the near part and in the corridor. The distance part is slightly narrower.



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 length:

Short corridor is preferred with

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

Long corridor is preferred with

- Long CVD (cornea-vertex distance)
- Hyperopes

POWER LIMITS - NORMAL LENSES AND LENSES WITH MYOSOFT AND HYPERSOFT

The limits you find in the price list are price limits. Below you find the actual limits of what we can produce.

	1.50						1.60						1.67						1.74					
	+ Sphere #	+ Sphere w Hypersoft	- Sphere	- Sphere w Myosoft	Cylinder	Prism	+ Sphere #	+ Sphere w Hypersoft	- Sphere	- Sphere w Myosoft	Cylinder	Prism	+ Sphere #	+ Sphere w Hypersoft	- Sphere	- Sphere w Myosoft	Cylinder	Prism	+ Sphere #	+ Sphere w Hypersoft	- Sphere	- Sphere w Myosoft	Cylinder	Prism
SV Ø60mm	+12	+12	-12	-14	-6	8	+12	+12	-13	-16	-7	8	+12	+12	-13	-16	-7	6	+12	+12	-15	-19	-9	6
SV Ø70mm	+10	+10	-8	-14	-6	6	+10	+10	-10	-16	-7	6	+10	+10	-10	-16	-7	4	+8	+8	-11	-19	-9	4
SV Ø75mm	+6	+6	-6	-14	-6	6	+8	+8	-9	-16	-7	5	+8	+8	-9	-16	-7	4	+6	+6	-9	-19	-9	4
SV max Ø90mm	+3	+6	-2	-6	-4	-	+3	+8	-2	-6	-4	-	+3	+8	-2	-6	-4	-	+3	+8	-2	-6	-4	-
SV Ø60mm Trans	+8	+8	-10	-13	-6	8	+10	+10	-13	-15	-7	8	+10	+10	-13	-15	-7	6	-	-	-	-	-	-
SV Ø70mm Trans	+7	+7	-8	-13	-6	6	+10	+10	-10	-15	-7	6	+10	+10	-10	-15	-7	4	-	-	-	-	-	-
SV Ø75mm Trans	+6	+6	-6	-13	-6	4	+8	+8	-9	-15	-7	5	+8	+8	-9	-15	-7	4	-	-	-	-	-	-
SV max Ø90 Trans	+3	+6	-2	-6	-4	-	+3	+8	-2	-6	-4	-	+3	+8	-2	-6	-4	-	-	-	-	-	-	-
SV Ø60mm Pol	+8	+8	-10	-12	-6	8	+9	+9	-12	-14	-7	8	+9	+9	-12	-14	-7	6	-	-	-	-	-	-
SV Ø70mm Pol	+7	+7	-8	-12	-6	6	+9	+9	-9	-14	-7	6	+9	+9	-9	-14	-7	4	-	-	-	-	-	-
SV Ø73mm Pol	+6	+6	-6	-12	-6	4	+7	+7	-8	-14	-7	5	+7	+7	-8	-14	-7	4	-	-	-	-	-	-
SV max Ø90 Pol	+3	+6	-2	-6	-4	-	+3	+8	-2	-6	-4	-	+3	+8	-2	-6	-4	-	-	-	-	-	-	-
SV Ø60mm DW	+8	+8	-10	-12	-6	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SV Ø68mm DW	+7	+7	-8	-12	-6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SV max Ø90 DW	+3	+6	-2	-6	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

+ and - sphere means highest absolute power. All limits are approximate and depends on combination diameter, cylinder axis and prism base.

Always contact us if desired powers are close to the limits. We can produce larger diameter by decentration. In the table, example with diameter up to 90 mm is shown.

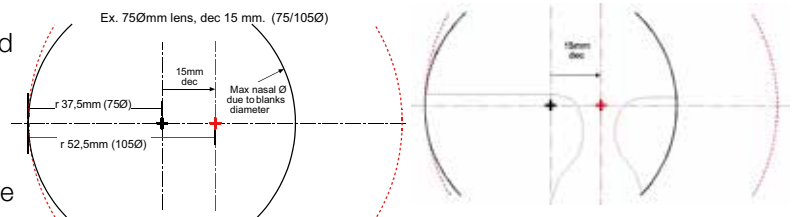
= For progressive lenses, max + sphere is affected by addition. Add +2 reduces with ≈ 1 dptra. Add +3 with ≈ 2 dptra. Add +4 with ≈ 3 dptra.

These limits are approximate and for the mentioned diameters. They are valid for lenses without special grinding and for lenses with Myosoft and Hypersoft (more information on the next page). We can always decrease diameter or use other grinding techniques to produce higher powers (see table on page 1:13). It's often possible to slightly exceed the limits depending on exact diameter, cylinder power, axis and prism base. If you are close to the limits, always contact us for consultation.

Diameter and decentration

In most cases, the optical center can be displaced from the geometrical center with up to 15 mm.

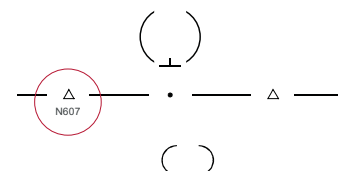
This gives us an opportunity to produce lenses with a radius from OC to temporal edge of more than 50 mm. This calculation is automatically done when frame shape is sent in. It is also included in lenses with Diamini.



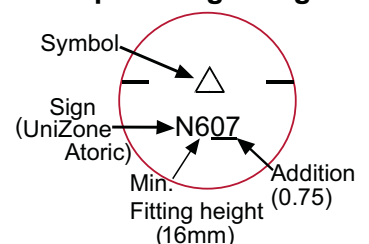
Fitting

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 and Desktop Perform has the cross 2 mm above the engravings.



Temporal engraving



Single vision

Perform SV is fitted according to the image on the right. Fitting cross in center pupil, 4 mm above the engraving. Atoric SV is fitted so the optical axis of the lens goes through the rotation center of the eye.



SPECIAL GRINDING

Diamini

Full optimization of plus lenses. Lowest vertical diameter, optimized base curve and optimized thickness.

Available on all lenses in ML Lens program.



Hypersoft

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.

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.

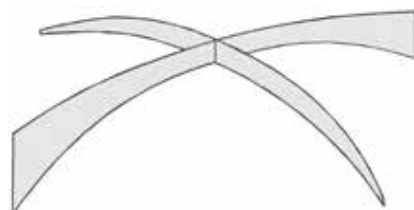
Available on all Classic lenses. Recommended for higher powers than Myosoft.



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.



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).

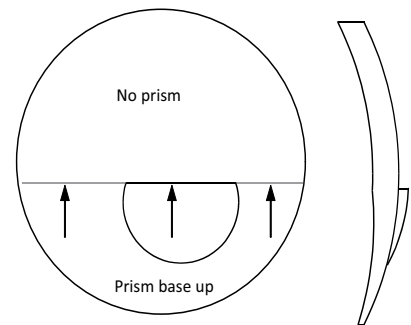
Available on all lenses.



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.



Formlenti

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

Available on all lenses.

Biconvex / Biconcave

A biconvex or biconcave grinding.

Biconvex: Available on all Classic lenses.

Biconcave: Available on all white Classic 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. The lenses are available in CR39 and Polycarbonate, in base curve 6 and 8, with and without polarization and with or without coating (of different kinds). Below you will find a summary of the available combinations.

	PC Base 6	PC Base 8	PC SC Base 6	PC SC Base 8
	Coating: HC	Coating: HC	Coating: SunCoat	Coating: SunCoat
Filter	○	○	●	○
POL 1	○/□	○/□	●	○/□
POL 3	◇	◇	●	○/□

	CR39 UC Base 6	CR39 UC Base 8	CR39 AR Base 6
	Coating: N/A	Coating: N/A	Coating: See below
Filter	●	●	● / Prima
POL 1	●	●	● / PS
POL 3	●	●	● / PS
Trans	-	-	○

- Available in all filter tints: 400, C1, 500, 511, 527, 550 and 585
- Not possible with the darkest filters, see exact availability in the pricelist
- Not possible with Filter 400, see exact availability in the pricelist
- ◇ Only available without filter effect

SIZE PLANO FILTER LENSES

The plano stock lenses are available in different sizes:

PM/PC Base 6 w/o pol	HBox: 72	VBox: 53
PM/PC Base 6 with pol	HBox: 72	VBox: 53
PM/PC Base 8 w/o pol	HBox: 77	VBox: 53
PM/PC Base 8 with pol	HBox: 77	VBox: 53
CR39 Base 6 w/o pol	Ø 70	
CR39 Base 6 with pol	Ø 72	
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 is in 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.

OCCLUSION LENSES

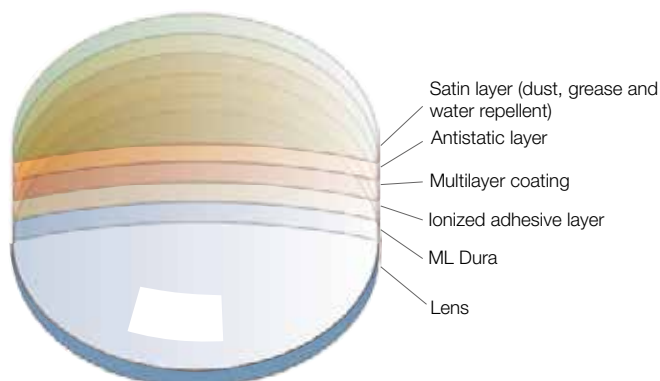
We have four alternatives for occlusion:

- 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

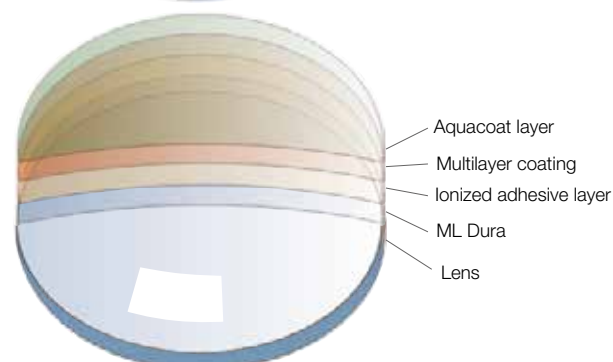
ML Prima+

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.



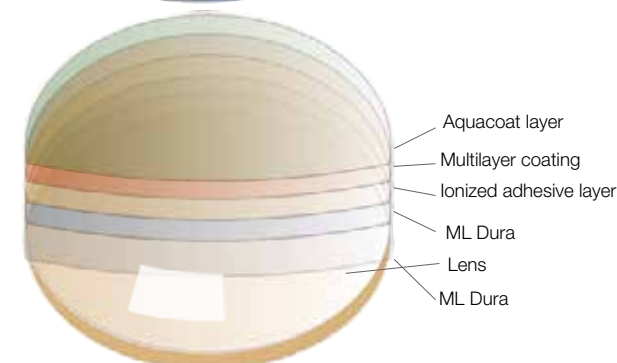
ML Prima

Our well known basic coating. A very good multilayer coat including the upgraded ML Dura, high transmission and the top layer Aquacoat that reduces the effects of dust and water.



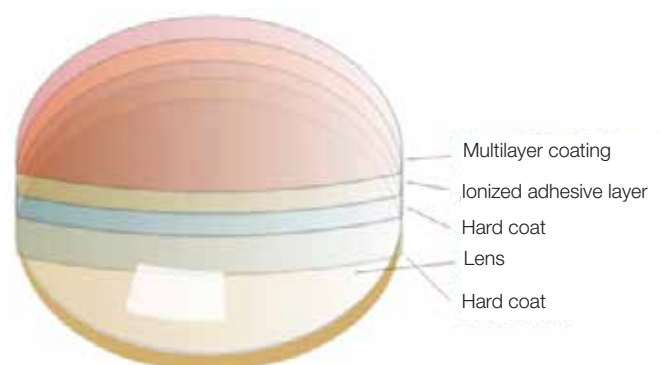
ML Prima Sun

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.



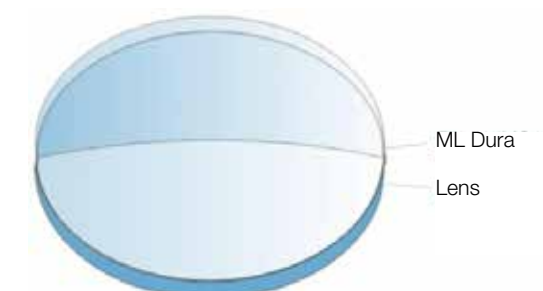
SunCoat

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 PHOTOCROMIC 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

Grey

Brown

Transitions®
XTRActive™

Grey



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

DRIVEWEAR®



Index	1.5
Absorption	68-85 %
Polarization	95 %

Polarized and photochromic

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 nylon 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 nylon and rimless
- Thinner than 1.5 index ($\approx 20\%$)
- 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 nylon and rimless
- Thinner than 1.6 index ($\approx 10\%$)

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 ($\approx 20\%$)
- High tensile strength
- Suitable for nylon and rimless

Disadvantages:

- Not possible to tint
- 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:

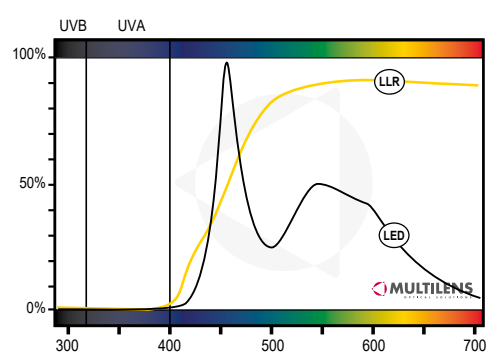
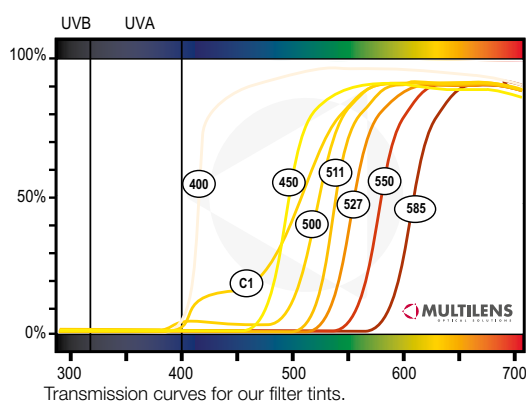
- Only plano lenses
- Only standard coatings and tints

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	Color: Light beige
C1	Absorbs 80 % of all light up to 450 nm	Color: Yellow
450	Absorbs all light up to 450 nm	Color: Lemon
500	Absorbs 95 % of all light up to 500 nm	Color: Yellow
511	Absorbs all light up to 511 nm	Color: Orange
527	Absorbs all light up to 527 nm	Color: Dark orange
550	Absorbs all light up to 550 nm	Color: Red
585	Absorbs all light up to 585 nm	Color: Dark Red
LLR	Absorbs some of the light up to 500 nm	Color: Light yellow



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.

AVAILABILITY FILTER TINTS

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

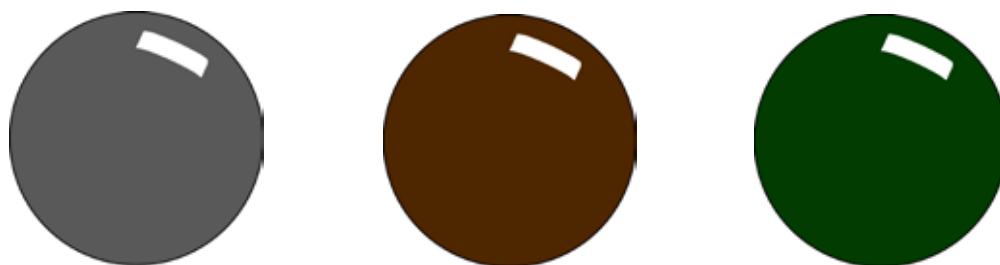
● = Compatible with Dura/Prima

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

OTHER TINTS

We can tint almost any color, including gradient. We are happy to receive colour samples and we will do our best to mimic the colour. We have three colours that we see as standard color. These are grey, brown and green (see images below). 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 colors grey, brown and green (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 tint, a UV block is always included but with other tints, you have to add a UV block. With our UV block, 100 % of the light up to 390 nm is absorbed and 97 % of all light up to 400 nm.

OVERVIEW OF POSSIBLE COMBINATIONS

The table shows an overview of what materials are compatible with which coatings, layers and special grindings.

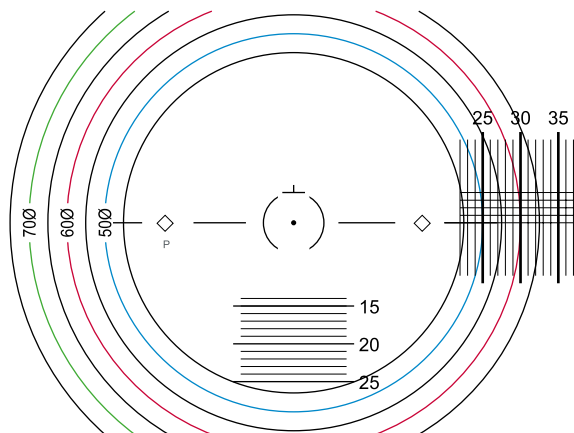
		1.50	1.60	1.67	1.74
Coating	Untreated	●	-	-	-
	Dura	●	■	■	■
	Prima	●	●	●	●
	Prima+	●	●	●	●
	Prima Sun	●	●	●	●
Tint/Filter	Standard tint < 50%	●	●	-	-
	Standard tint > 50%	●	●	-	-
	Tint as sample	□	□	-	-
	Gradient	●	-	-	-
	Filter	◇	◇	-	-
	Filter gradient	◇	-	-	-
Pol/Trans/DW	Bilux Iris/Franklin	●	-	-	-
	Pol 1 Grey	●	-	-	-
	Pol 3 Grey	●	●	●	-
	Pol Brown	●	●	●	-
	Pol Green	●	-	-	-
	Trans VI Brown	●	●	●	-
	Trans VI Grey	●	●	●	-
	Trans XtrActive Grey	●	●	-	-
Special grinding	Drivewear™	●	-	-	-
	Diamini	●	●	●	●
	Myosoft	●	●	●	●
	Hypersoft	●	●	●	●
	Myolenti	○	○	○	○
	Grand	●	●	●	●
	Combi cylinder	○	○	○	-
	Slab-off	○	○	○	○

● = Possible combination ◇ = See chart on p. 1:10

■ = Mandatory ○ = See info on special grinding on p. 1:4-1:5

□ = Some tints are difficult. Exact tint cannot be guaranteed

SV Perform™



More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

INDEX 1.50 1.60 1.67 1.74

A SV lens with ML Perform™ calculation to optimize the optics in all directions.

ML Perform™ is recommended to:

- customers with high demand
- powers above ± 2 diopters
- high curved frames

Default values for frame parameters:

CVD: 13 mm

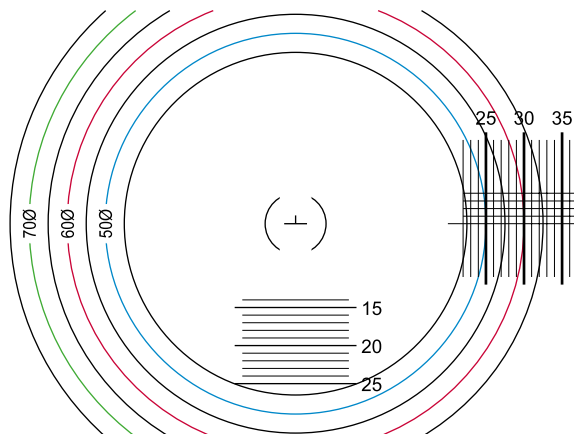
FFT: 4 degrees

PT: 6 degrees

Engraving

Sign: P Symbol: \diamond

SV Atoric™



More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

INDEX 1.50 1.60 1.67 1.74

A SV lens with ML Atoric™ calculation to optimize the optics centrally.

ML Atoric™ is recommended to:

- customers who adjust their gaze with head movement rather than eye movement
- powers above ± 2 diopters.

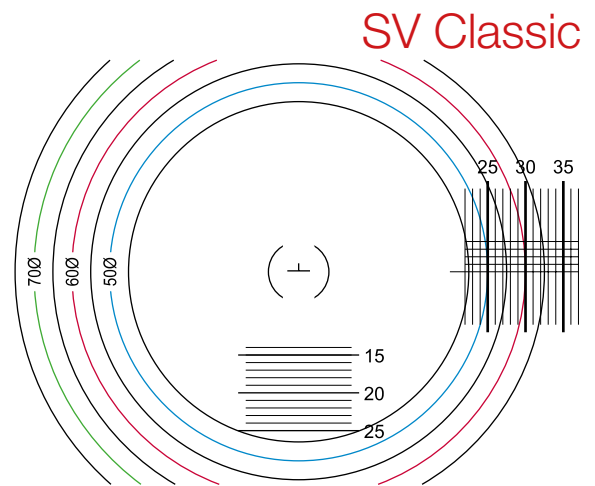
The lens should be fitted with the optical axis of the lens passing through the rotational center of the eye.

INDEX 1.50 1.60 1.67 1.74

SV lens with classic spherical design.

Available with a very generous power range (see table below).

More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5



The table below shows the power limits for classic single vision with special grindings. For power limits without special grinding, see page 1:3.

	1.50				1.60				1.67				1.74			
	+ Sphere #	- Sphere	Cylinder	Prism *	+ Sphere #	- Sphere	Cylinder	Prism *	+ Sphere #	- Sphere	Cylinder	Prism *	+ Sphere #	- Sphere	Cylinder	Prism *
SV Ø60mm	+26	-60	-30	20	+16	-30	-20	8	+16	-30	-20	8	+14	-30	-15	8
SV Ø70mm	+12	-50	-15	14	+12	-30	-15	6	+12	-30	-15	6	+9	-30	-15	6
SV Ø75mm	+8	-50	-15	9	+11	-30	-15	6	+11	-30	-15	6	+6	-30	-15	6
SV Ø60mm Trans	+10	-30	-15	12	+16	-30	-15	8	+14	-30	-15	8	-	-	-	-
SV Ø70mm Trans	+8	-30	-15	9	+12	-30	-15	6	+12	-30	-15	6	-	-	-	-
SV Ø75mm Trans	+6	-30	-15	6	+9	-30	-15	6	+9	-30	-15	6	-	-	-	-
SV Ø60mm Pol	+10	-30	-15	12	+13	-30	-15	8	+13	-30	-15	8	-	-	-	-
SV Ø70mm Pol	+8	-30	-15	9	+11	-30	-15	6	+11	-30	-15	6	-	-	-	-
SV Ø73mm Pol	+7	-30	-15	6	+9	-30	-15	6	+9	-30	-15	6	-	-	-	-
SV Ø60mm DW	+10	-30	-15	12	-	-	-	-	-	-	-	-	-	-	-	-
SV Ø70mm DW	+8	-30	-15	9	-	-	-	-	-	-	-	-	-	-	-	-

+ and - sphere means highest absolute power. All limits are approximate and depends on combination diameter, cylinder axis and prism base. For the extreme powers, some of our special grinding techniques might be needed.

Example: Myosoft, hypersoft or biconvex. See page 1:4-1:5 for our special grindings.

We can also decenter many products to produce larger diameters than you might think.

SINGLE VISION HIGH PLUS POWERS

To produce high plus powers, it's sometimes required to use lenticularization. Lenti has a sharp overlap between the optical zone and the carrier while Omega has a smooth overlap between the optical zone and the carrier.

ML X-LENTI

POWER

ML X-Lenti is available in the powers +12, +16, +20 and +24 or with individual correction. For individual correction, see next page.

MATERIAL

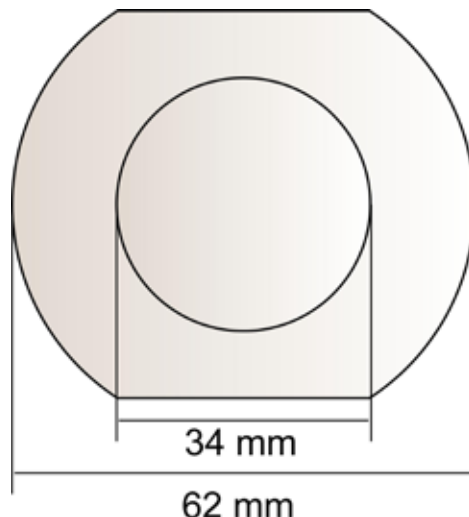
ML X-Lenti is made of CR-39. A familiar material, easy to handle.

DESIGN

The lens has a total diameter of 62 mm and an optical zone of 34 mm.

TREATMENTS AND TINTS

ML X-Lenti is available both with and without ML Filter 400. It can be tinted with other tints and coated with all our coatings.



Hyperocular

Hyperocular is not available with individual correction and the power is described as a magnification based on equivalent power.

POWER

Hyperocular is available in the powers 4x, 5x, 6x, 8x, 10x and 12x. The powers are based on equivalent powers. See table below

MATERIAL

Hyperocular is injection molded in PMMA. PMMA is scratch resistant but have poor UV protection.

DESIGN

All lenses have a total diameter of 65 mm and a variable lenticular zone of between 30 mm to 40 mm depending on power.

TREATMENTS AND TINTS

Hyperocular is not possible to coat or tint.

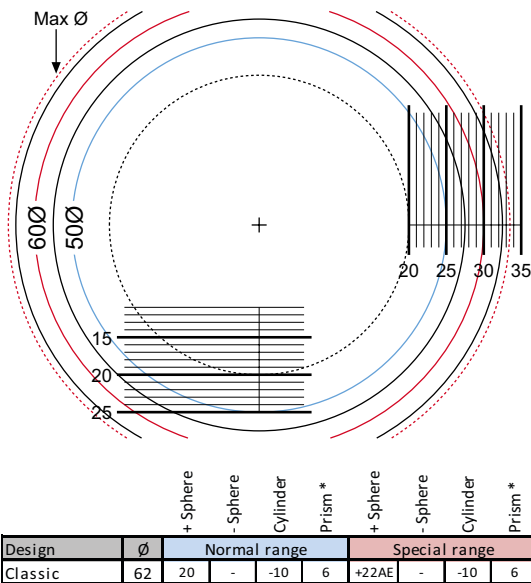
Measuring Hyperocular

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

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

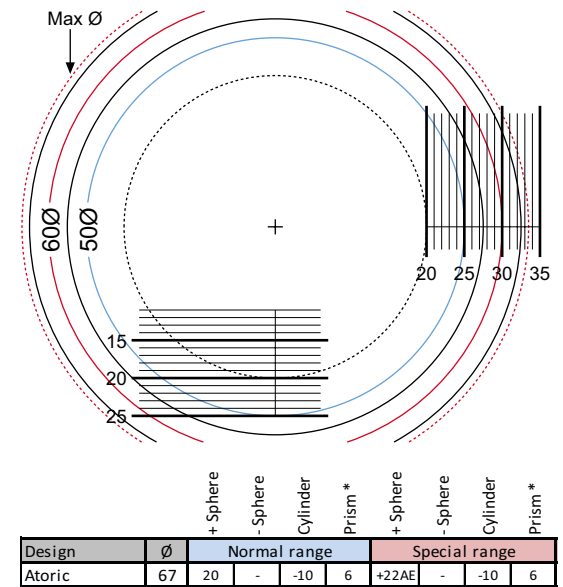
Lenti Classic zone 40Ø

INDEX 1.50



More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Lenti Atoric zone 40Ø

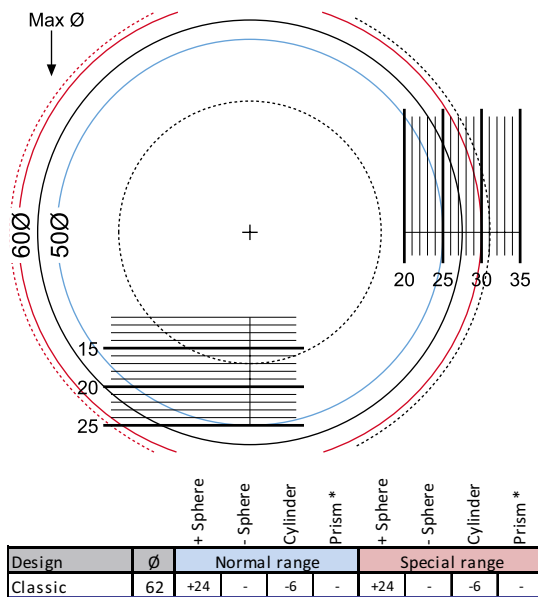


More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

A=Possible with reduced diameter C=With Myosoft
E=Bi convex *=Prism depends on prism base and power

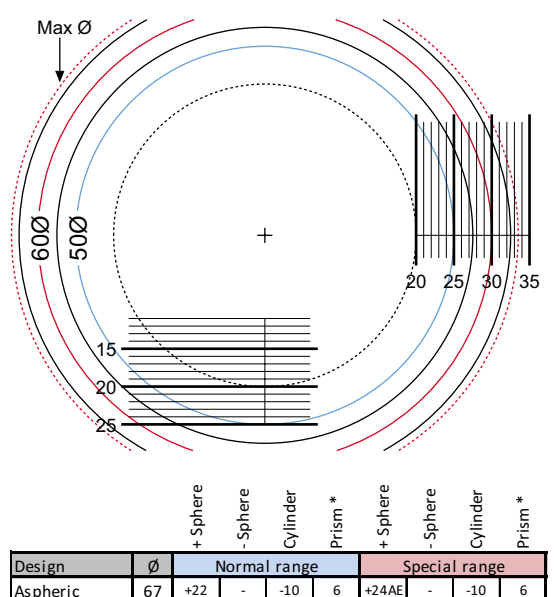
X-Lenti zone 34Ø

INDEX 1.50



More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Omega (Aspheric) zone 40Ø



More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

INDEX 1.50

An Optio lens with a zone of 30 mm. Carrier lens is plano and it's possible to decenter the zone to achieve a larger diameter than it looks like.

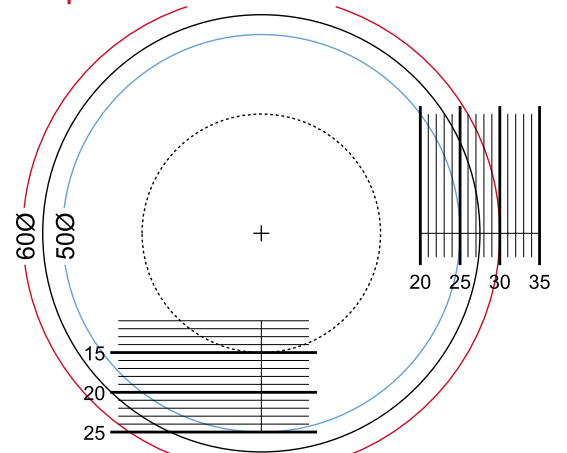
This product was previously called ML Optio child lenti. Other zone size is possible on demand.

Design	Ø	+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	75/95	+30	-	-6	6	∞	∞	∞	∞

∞=When in need of higher powers or bigger diameter than above, always contact us. We can probably help you

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Lenti Optio Classic - zone 30Ø



UniZone Perform

Add: 0.75 - 4.00

INDEX 1.50 1.60 1.67 1.74

Corridor length

Min. recommended fitting height



Progression design

	Distance	Balance	Near
Soft	●	●	●
Clear	●	●	●

More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

A multifocal lens with ML Perform™ 3D calculation to optimize the optics in all directions.

Unizone has the biggest number of variations which gives the best possibility to offer the optimal solution for your customer's needs.

Inset optimized according to addition, power and frame design.

Default values for frame parameters:

CVD: 13 mm

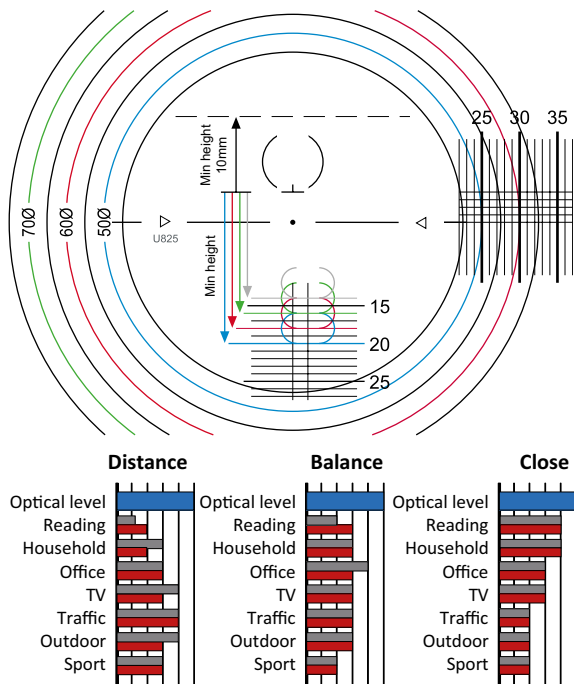
FFT: 4 degrees

PT: 6 degrees

Engraving

Sign: soft: U
clear: Z

Symbol: Distance △
Balance ▷
Near ▽



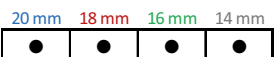
UniZone Atoric

Add: 0.75 - 4.00

INDEX 1.50 1.60 1.67 1.74

Corridor length

Min. recommended fitting height



Progression design

	Distance	Balance	Near
Soft	●	●	●
Clear	●	●	●

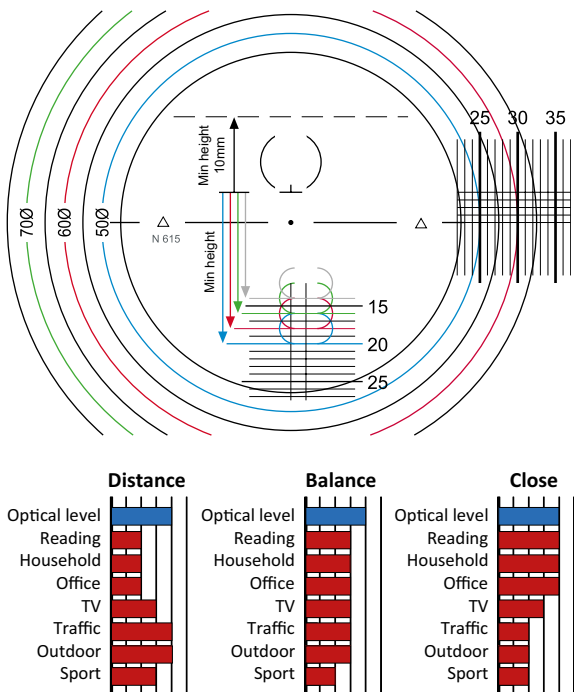
More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

A multifocal lens with ML Atoric™ 3D calculation to optimize the optics centrally.

Nova has three options of progression designs which increases the possibility to satisfy your customer's needs.

Engraving
Sign: N

Symbol: Distance △
Balance ▷
Near ▽



INDEX	1.50	1.60	1.67	1.74
-------	------	------	------	------

A multifocal lens with classic back surface design. A good balance between distance, intermediate and near.

A perfect low cost choice.

Add: 0.75 - 4.00

Corridor length

Min. recommended fitting height

20 mm	18 mm	16 mm	14 mm
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Progression design

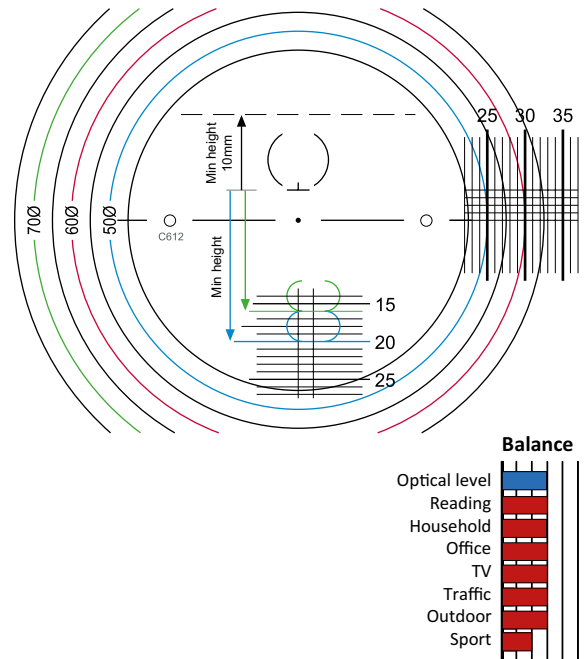
	Distance	Balance	Near
Soft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clear	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

Engraving
Sign: C

Symbol: ○

UniZone Classic



INDEX	1.50
-------	------

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.

Add: 0.75 - 4.00

Corridor length

Min. recommended fitting height

20 mm	18 mm	16 mm	14 mm
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Progression design

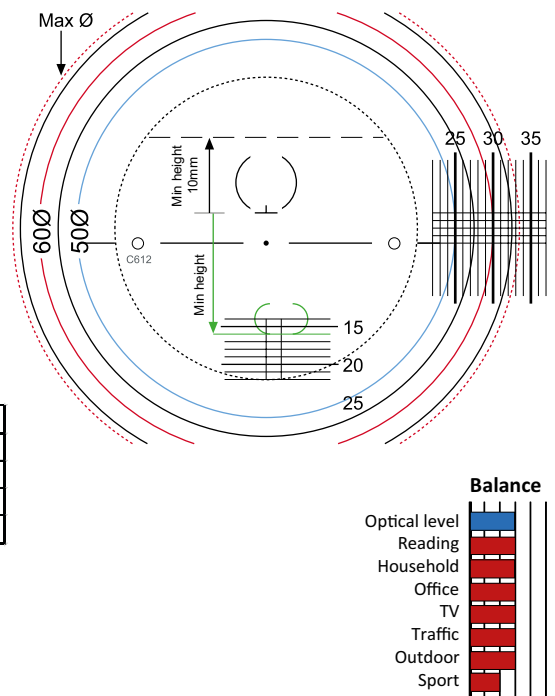
	Distance	Balance	Near
Soft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clear	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Engraving
Sign: C

Symbol: ○

UniZone Omega Classic



Design	Ø	+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	67	+18	-	-10	6	+18	-	-10	6

Image Classic

Add: 1.00 - 3.00

INDEX 1.50

Corridor length

Min. recommended fitting height



Progression design

	Distance	Balance	Near
Soft			
Clear		●	

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

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

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

Engraving
Sign: -

Symbol: Y

		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Classic	60	+8	-10	-10	6	+10AE	-16C	-10	10
Classic	70	+8	-8	-10	6	+9E	-16C	-10	10

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

Image Pol 3 Grey Classic

Add: 1.00 - 3.00

NUPOLAR
polarized lenses

POL 3 GREY**INDEX 1.50**

Corridor length

Min. recommended fitting height



Progression design

	Distance	Balance	Near
Soft			
Clear		●	

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

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

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

Engraving
Sign: -

Symbol: Y

		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Classic	60	+8	-10	-10	6	+10AE	-16C	-10	10
Classic	70	+8	-8	-10	6	+9E	-16C	-10	10

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

Image Transitions Classic

Add: 1.00 - 3.00

Transitions
Signature

BROWN GREY**INDEX 1.50**

Corridor length

Min. recommended fitting height



Progression design

	Distance	Balance	Near
Soft			
Clear		●	

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

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

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

Engraving
Sign: -

Symbol: Y

		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Classic	60	+8	-10	-10	6	+10AE	-16C	-10	10
Classic	70	+8	-8	-10	6	+9E	-16C	-10	10

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

INDEX 1.50 1.60 1.67 1.74

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.

Default values for frame parameters:

CVD: 13 mm

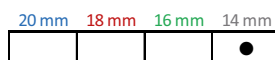
FFT: 4 degrees

PT: 6 degrees

Add: 0.50 el 0.75

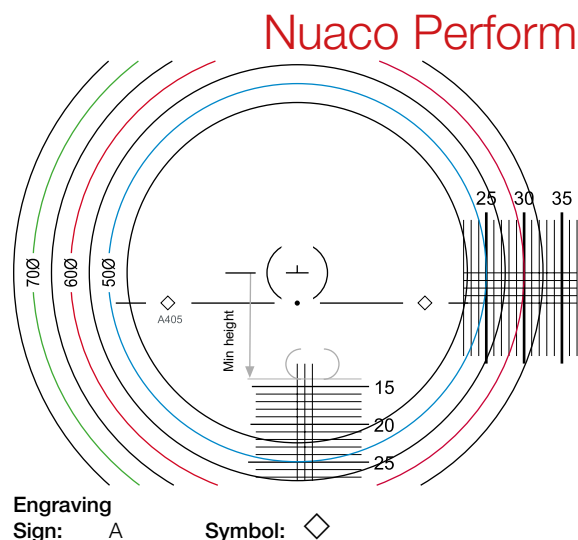
Corridor length

Min. recommended fitting height

**Progression design**

	Distance	Balance	Near
Soft		(●)	
Clear			

More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

**INDEX 1.50 1.60 1.67 1.74**

An indoor lens with ML Perform™ 3D optimization.

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.

Possible to individually modify powers and fitting height to achieve customization to the customer's office environment.

Inset optimized according to addition, power and frame design.

Default values for frame parameters:

CVD: 13 mm

FFT: 4 degrees

PT: 6 degrees

Add: 0.75 - 3.50

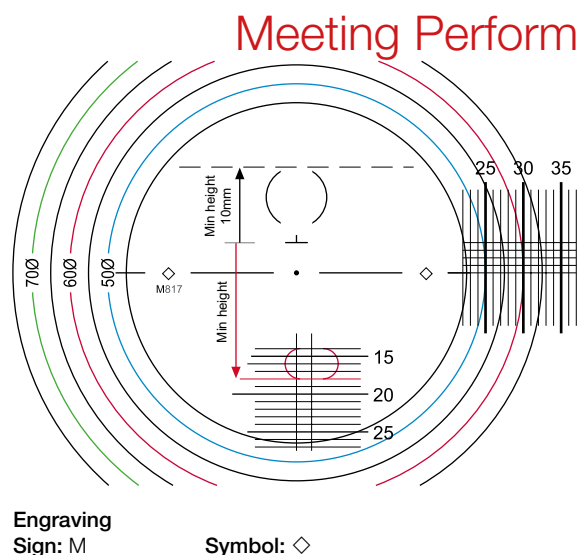
Corridor length

Min. recommended fitting height

**Progression design**

	Distance	Balance	Near
Soft			(●)
Clear			

More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

**INDEX 1.50 1.60 1.67 1.74**

An indoor lens with ML Perform™ 3D calculation optimized for desk work.

Available in degenerations from 0.75 to 2.25 in 0.25 steps. The lens is ordered with near power with the desired degeneration.

The design is compensated to be fitted with distance pd in center of pupil.

Inset optimized according to addition, power and frame design.

Default values for frame parameters:

CVD: 13 mm

FFT: 4 degrees

PT: 6 degrees

-Add: 0.75 - 2.25

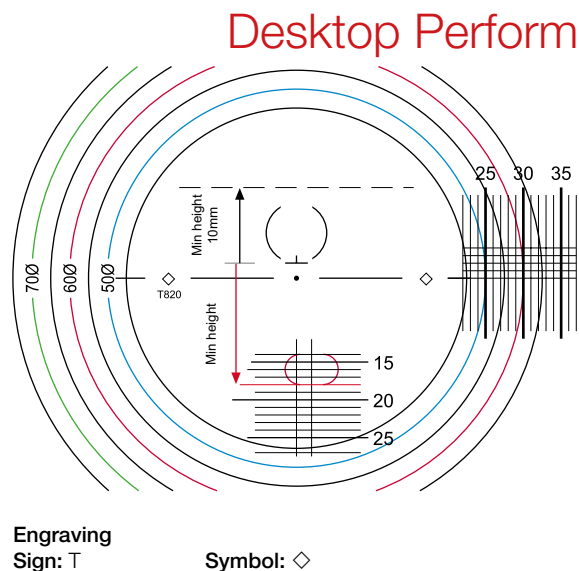
Corridor length

Min. recommended fitting height

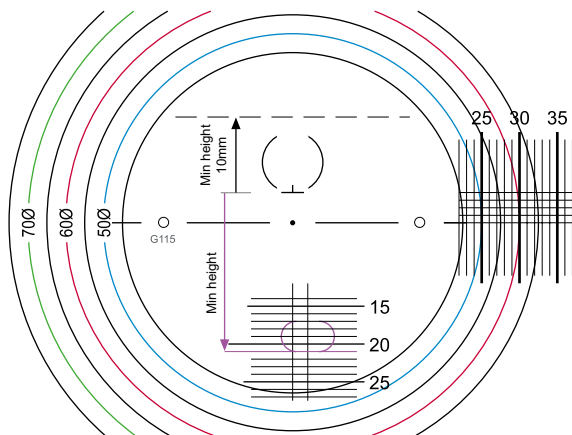
**Progression design**

	Distance	Balance	Near
Soft			(●)
Clear			

More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5



Go Perform



Add: 0.75 - 4.00

INDEX	1.50	1.60	1.67	1.74
-------	------	------	------	------

Corridor length

Min. recommended fitting height



Progression design

	Distance	Balance	Near
Soft	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clear	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

A multifocal lens with ML Perform™ 3D optimized for sport activities. ML Perform™ 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.

Inset optimized according to addition, power and frame design.

Default values for frame parameters:

CVD: 13 mm

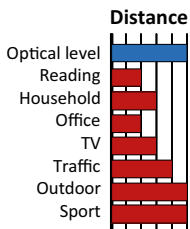
FFT: 4 degrees

PT: 6 degrees

Engraving

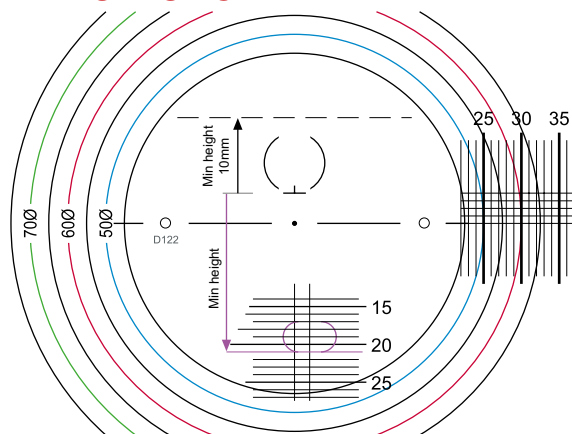
Sign: G

Symbol: O



More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

Drive Perform

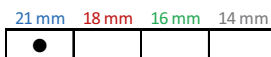


Add: 0.75 - 4.00

INDEX	1.50	1.60	1.67	1.74
-------	------	------	------	------

Corridor length

Min. recommended fitting height



Progression design

	Distance	Balance	Near
Soft	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clear	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

A multifocal lens with ML Perform™ 3D optimized for driving.

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.

Inset optimized according to addition, power and frame design.

Default values for frame parameters:

CVD: 13 mm

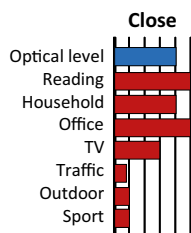
FFT: 4 degrees

PT: 6 degrees

Engraving

Sign: D

Symbol: O



More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

INDEX 1.50

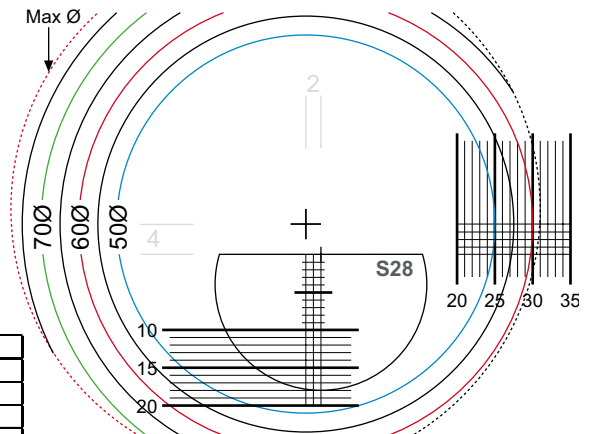
Add: 0.75 - 4.00

S28

		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Classic	60	+8	-10	-10	6	+10AE	-18C	-10	10
Classic	70	+8	-8	-10	6	+9E	-18C	-10	10
Classic	75	+6	-6	-8	4	+7	-18C	-8	8
Atoric/Perform	60	+8	-10	-6	6	+10AE	-18C	-6	6
Atoric/Perform	70	+8	-8	-6	6	+9E	-18C	-6	6
Atoric/Perform	75	+6	-6	-6	4	+7	-18C	-6	6

A=Possible with reduced diameter C=With Myosoft
 E=Bi convex *=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5


INDEX 1.50
NUPOLAR®
polarized lenses

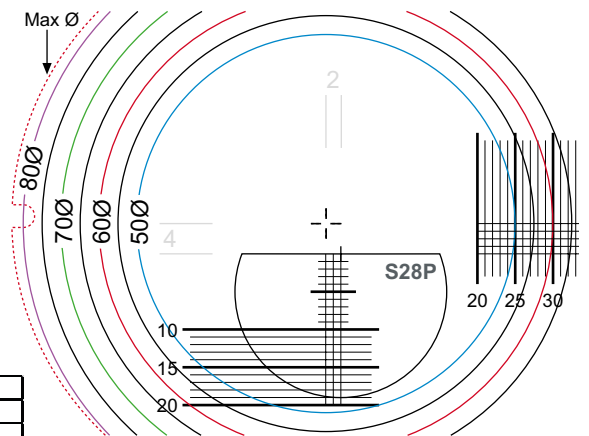
Add: 0.75 - 4.00

S28 Pol 3 Grey / Brown**POL BROWN POL 3 GREY**

		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Classic	60	+8	-10	-10	6	+10AE	-18C	-10	10
Classic	70	+8	-8	-10	6	+9E	-18C	-10	10
Classic	75	+6	-6	-8	4	+7	-18C	-8	8
Atoric/Perform	60	+8	-10	-6	6	+10AE	-18C	-6	6
Atoric/Perform	70	+8	-8	-6	6	+9E	-18C	-6	6
Atoric/Perform	75	+6	-6	-6	4	+7	-18C	-6	6

A=Possible with reduced diameter C=With Myosoft
 E=Bi convex *=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5



Pol Brown blanks not in stock.
Delivery time + 5 days.

INDEX 1.50
Transitions®
Signature

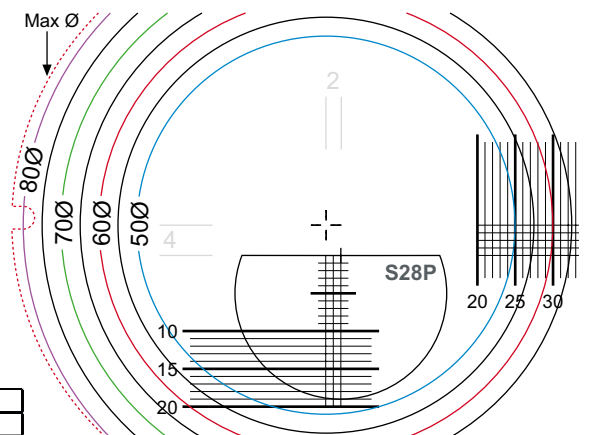
Add: 1.00 - 4.00

S28 Transitions**BROWN GREY**

		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Classic	60	+8	-10	-10	6	+10AE	-18C	-10	10
Classic	70	+8	-8	-10	6	+9E	-18C	-10	10
Classic	75	+6	-6	-8	4	+7	-18C	-8	8
Atoric/Perform	60	+8	-10	-6	6	+10AE	-18C	-6	6
Atoric/Perform	70	+8	-8	-6	6	+9E	-18C	-6	6
Atoric/Perform	75	+6	-6	-6	4	+7	-18C	-6	6

A=Possible with reduced diameter C=With Myosoft
 E=Bi convex *=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

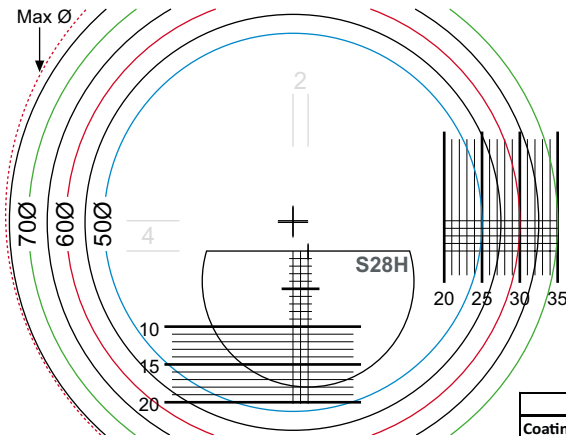


S28 High Add

Add: 4.50 - 6.00

INDEX 1.50

Addition available in 0.50 increments.



More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Design	Ø	Normal range				Special range			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	60	+8	-10	-10	6	+10AE	-18C	-10	10
Classic	70	+8	-8	-10	6	+9E	-18C	-10	10
Classic	75	+6	-6	-8	4	+7	-18C	-8	8
Atoric/Perform	60	+8	-10	-6	6	+10AE	-18C	-6	6
Atoric/Perform	70	+8	-8	-6	6	+9E	-18C	-6	6
Atoric/Perform	75	+6	-6	-6	4	+7	-18C	-6	6

A=Possible with reduced diameter

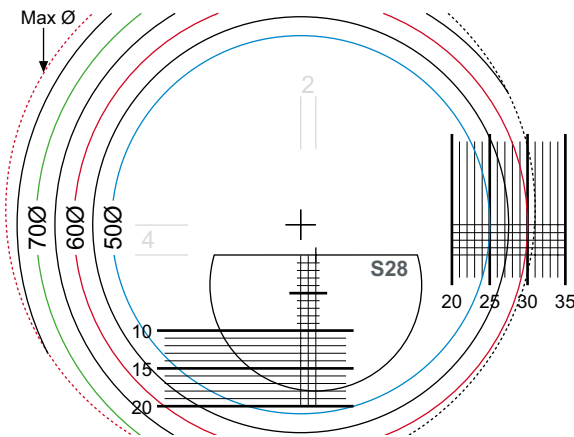
C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

S28

Add: 1.00 - 3.00

INDEX 1.60

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Design	Ø	Normal range				Special range			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	60	+9	-8	-10	6	+12AE	-16C	-10	8
Classic	70	+6	-6	-8	4	+6	-16C	-10	6
Classic	75	+5	-5	-6	3	+5	-16C	-8	4
Atoric/Perform	60	+9	-8	-6	6	+12AE	-16C	-6	6
Atoric/Perform	70	+6	-6	-6	4	+6	-16C	-6	6
Atoric/Perform	75	+5	-5	-6	3	+5	-16C	-6	4

A=Possible with reduced diameter

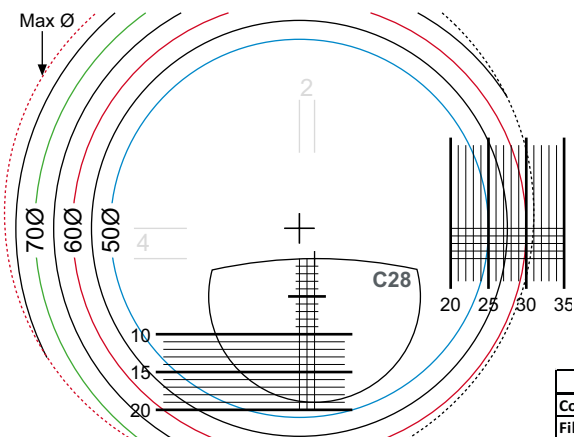
C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

C28

Add: 0.75 - 4.00

INDEX 1.50

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Design	Ø	Normal range				Special range			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	60	+10	-12	-10	6	+12AE	-20C	-10	10
Classic	70	+10	-10	-10	6	+11E	-20C	-10	10
Classic	75	+8	-8	-8	5	+9	-20C	-8	8
Atoric/Perform	60	+10	-12	-6	6	+12AE	-20C	-6	6
Atoric/Perform	70	+10	-10	-6	6	+11E	-20C	-6	6
Atoric/Perform	75	+8	-8	-6	5	+9	-20C	-6	6

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

INDEX 1.50

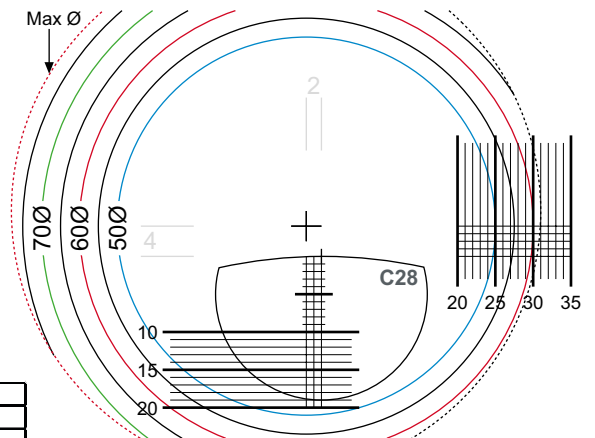
Add: 1.00 - 3.50

C28 Transitions**Transitions**
Signature**BROWN**

		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Classic	60	+8	-10	-10	6	+10AE	-18C	-10	10
Classic	70	+8	-8	-10	6	+9E	-18C	-10	10
Classic	75	+6	-6	-8	5	+7	-18C	-8	8
Atoric/Perform	60	+8	-10	-6	6	+10AE	-18C	-6	6
Atoric/Perform	70	+8	-8	-6	6	+9E	-18C	-6	6
Atoric/Perform	75	+6	-6	-6	5	+7	-18C	-6	6

A=Possible with reduced diameter C=With Myosoft
 E=Bi convex *=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5



Blanks not in stock.
Delivery time + 5 days.

INDEX 1.50

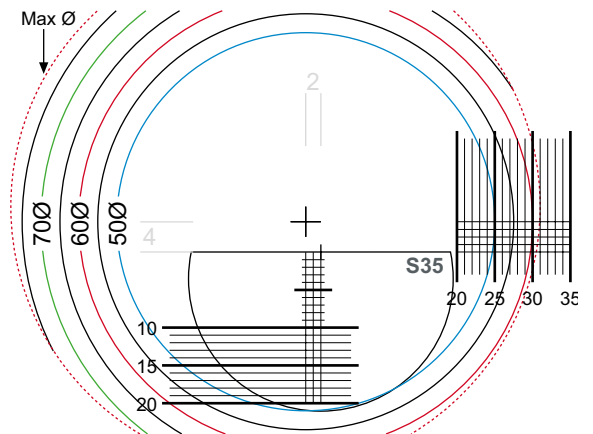
Add: 0.75 - 4.00

S35

		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Classic	60	+8	-10	-10	6	+10AE	-16C	-10	10
Classic	70	+8	-8	-10	6	+9E	-16C	-10	10
Classic	75	+6	-6	-8	4	+7	-16C	-8	8
Atoric/Perform	60	+8	-10	-6	6	+10AE	-16C	-6	6
Atoric/Perform	70	+8	-8	-6	6	+9E	-16C	-6	6
Atoric/Perform	75	+6	-6	-6	4	+7	-16C	-6	6

A=Possible with reduced diameter C=With Myosoft
 E=Bi convex *=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

**INDEX 1.50**

Add: 4.50 - 6.00

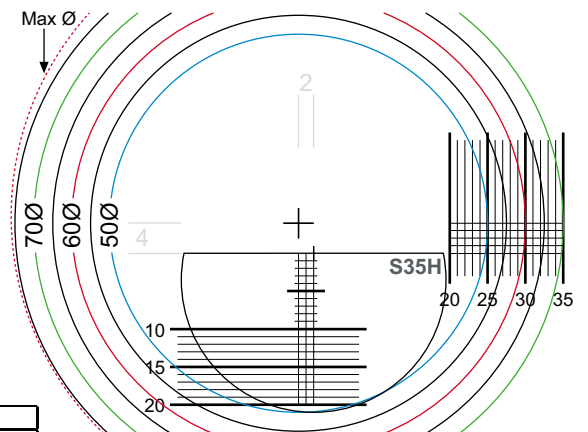
S35 High Add

Addition available in 0.50 increments.

		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Classic	60	+6	-10	-10	6	+8AE	-16C	-10	10
Classic	70	+6	-8	-10	6	+7E	-16C	-10	10
Classic	75	+4	-6	-8	4	+5	-16C	-8	8
Atoric/Perform	60	+6	-10	-6	6	+8AE	-16C	-6	6
Atoric/Perform	70	+6	-8	-6	6	+7E	-16C	-6	6
Atoric/Perform	75	+4	-6	-6	4	+5	-16C	-6	6

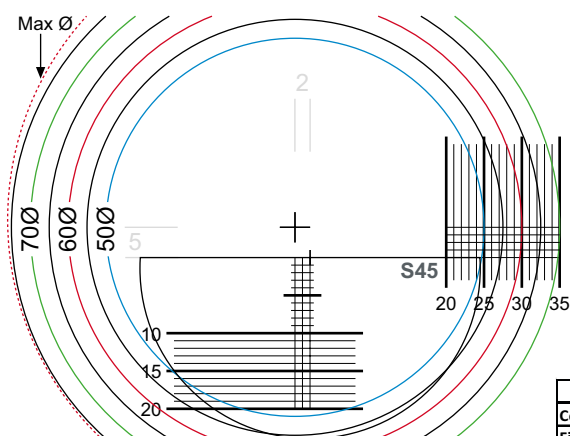
A=Possible with reduced diameter C=With Myosoft
 E=Bi convex *=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5



S45

Add: 0.75 - 3.00

INDEX 1.50

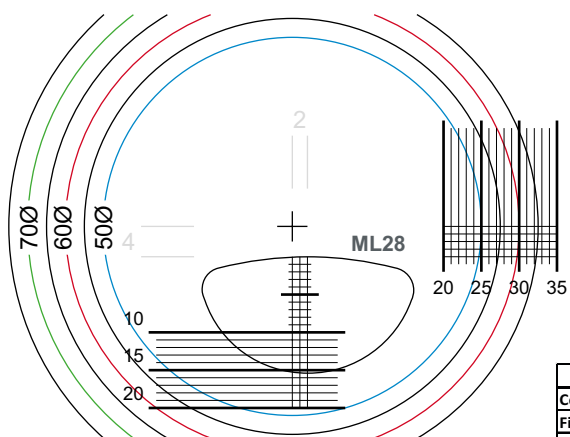
More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Design	Ø	Normal range				Special range			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	60	+8	-10	-10	6	+10AE	-16C	-10	10
Classic	70	+8	-8	-10	6	+9E	-16C	-10	10
Classic	75	+6	-6	-8	4	+7	-16C	-8	8
Atoric/Perform	60	+8	-10	-6	6	+10AE	-16C	-6	6
Atoric/Perform	70	+8	-8	-6	6	+9E	-16C	-6	6
Atoric/Perform	75	+6	-6	-6	4	+7	-16C	-6	6

A=Possible with reduced diameter C=With Myosoft
 E=Bi convex *=Prism depends on prism base and power

Bifo Relax Classic

Add: 3.50 - 10.00

INDEX 1.50

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Bifocal lens with convergence prism in the segment.

Design	Ø	Normal range				Special range			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	60	+5	-10	-10	6	+10EF	-12	-10	10
Classic	70	+5	-8	-10	6	+9EF	-12	-10	10
Classic	75	+5	-6	-8	4	+7F	-12	-8	8

A=Possible with reduced diameter C=With Myosoft E=Bi convex
 F=Possible with reduced addition. with +10 Add +5 possible

*=Prism depends on prism base and power

INDEX 1.50

Add: 2.00 - 3.50

Omega R22 Aspheric

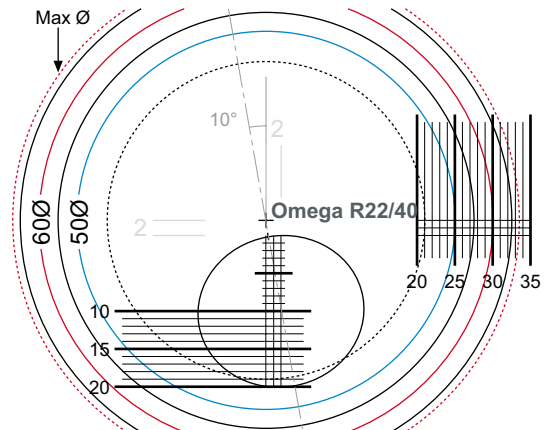
Design	Ø	Normal range				Special range			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Aspheric	67	+22	-	-10	6	+24AE	-	-10	6

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex *Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

**INDEX 1.50 1.60 1.67 1.74**

Add: 0.75 - 4.00

RS28 Perform

A bifocal lens with ML Perform™ 3D calculation to optimize the optics in all directions.

RS28 has an invisible overlay to the addition power making it a nice looking alternative to bifocal lenses.

Also available with polarized and photochromic add-ons.

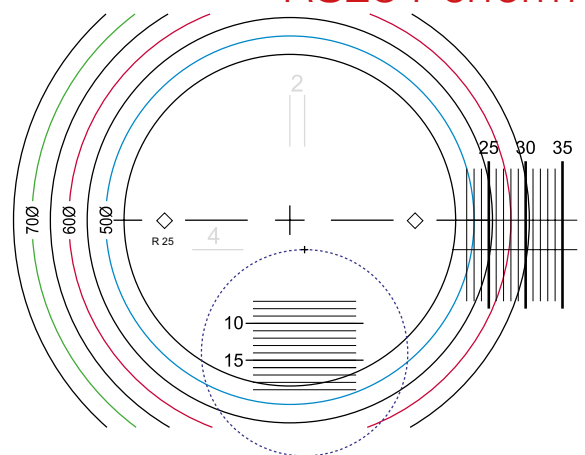
Default values for frame parameters:

CVD: 13 mm

FFT: 4 degrees

PT: 6 degrees

More information	
Limits	p. 1:3
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

**INDEX 1.50 1.60 1.67 1.74**

Add: 0.75 - 4.00

RS28 Lenti Perform

A bifocal lens with ML Perform™ 3D calculation to optimize the optics in all directions.

ML RS28 has an invisible overlay to the addition power making it a nice looking alternative to bifocal lenses.

Default values for frame parameters:

CVD: 13 mm

FFT: 4 degrees

PT: 6 degrees

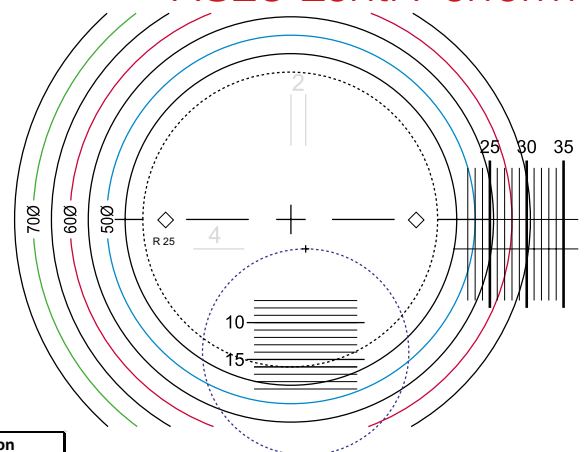
Design	Ø	Normal range				Special range			
		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Perform	62	18	-	-10	6	+20AE	-	-10	6

#= + sphere power affects the limit. Noted above is with lowest available add. Add +2 reduces max with 1D.

A=Possible with reduced diameter C=With Myosoft

E=Bi convex *Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5



STANDARD ML OPTIO BIFOCAL LENSES

The word "Optio" in the name indicates that this is a unique lens that enables completely independent powers for far and near. For you it means that you in many cases can prescribe one pair of glasses instead of two.

Typical cases:

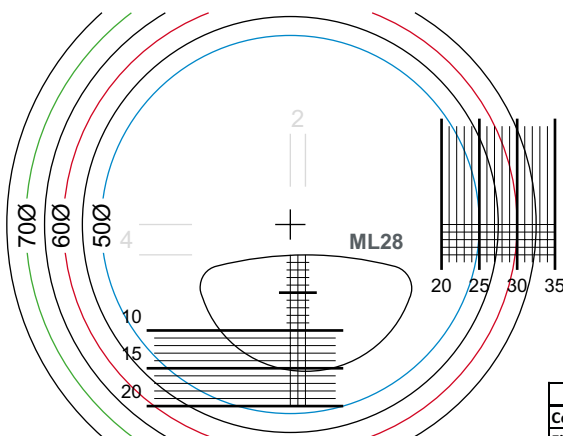
- When the patient need different prism for far and near
- When you want to avoid optical effects due to different powers on left and right eye.
- When you need high addition



ML28 Optio

Add: 0.75 - 12.00

INDEX 1.50



More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

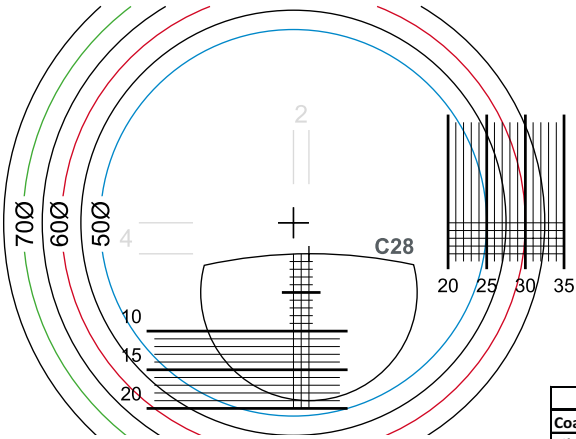
Design		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
		Normal range				Special range			
Classic	65	+15	-10	-6	4/10	x	x	x	x

*=Different limits for distance and near. First value indicates distance
 x=When in need of higher powers or bigger diameter than above,
 always contact us. We can probably help you

C28 Optio

Add: 0.75 - 12.00

INDEX 1.50



More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Design		Normal range				Special range			
		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Classic	65	+15	-10	-6	4/10	∞	∞	∞	∞

*=Different limits for distance and near. First value indicates distance
∞=When in need of higher powers or bigger diameter than above, always contact us. We can probably help you

INDEX 1.50

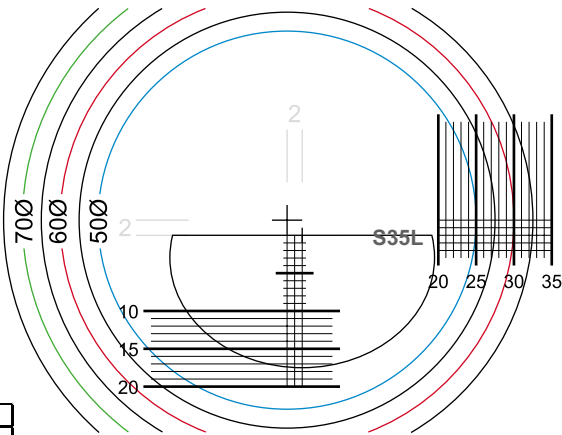
Add: 0.75 - 8.00

S35L Optio

Design		Normal range				Special range			
		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Classic	65	+15	-9	-6	4/8	∞	∞	∞	∞

*=Different limits for distance and near. First value indicates distance
∞=When in need of higher powers or bigger diameter than above, always contact us. We can probably help you

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

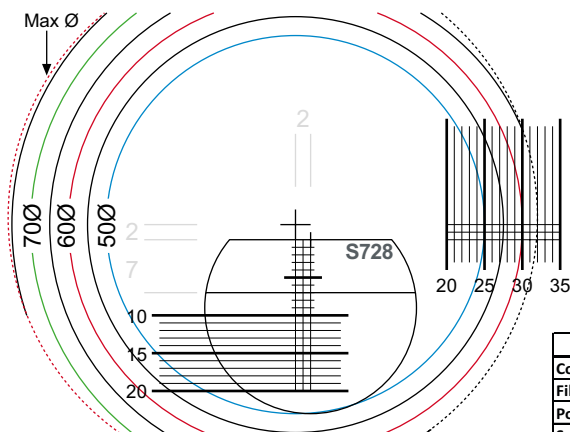


S728

Add: 1.50 - 4.00

INDEX 1.50

Middle segment 50 % of near addition.



More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Design	Ø	Normal range				Special range			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	60	+8	-10	-10	6	+10AE	-16C	-10	10
Classic	70	+7	-8	-10	6	+8E	-16C	-10	10
Classic	75	+6	-6	-8	4	+7	-16C	-8	8
Atoric/Perform	60	+8	-10	-6	6	+10AE	-16C	-6	6
Atoric/Perform	70	+7	-8	-6	6	+8E	-16C	-6	6
Atoric/Perform	75	+6	-6	-6	4	+7	-16C	-6	6

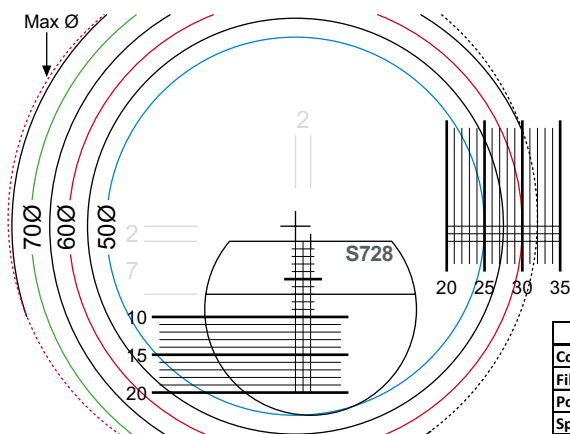
A=Possible with reduced diameter C=With Myosoft
E=Bi convex *=Prism depends on prism base and power

S728 Transitions

Add: 1.50 - 4.00

INDEX 1.50**BROWN GREY****Transitions**
Signature

Middle segment 50 % of near addition.



More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

Design	Ø	Normal range				Special range			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	60	+8	-10	-10	6	+10AE	-16C	-10	10
Classic	70	+7	-8	-10	6	+8E	-16C	-10	10
Classic	75	+6	-6	-8	4	+7	-16C	-8	8
Atoric/Perform	60	+8	-10	-6	6	+10AE	-16C	-6	6
Atoric/Perform	70	+7	-8	-6	6	+8E	-16C	-6	6
Atoric/Perform	75	+6	-6	-6	4	+7	-16C	-6	6

A=Possible with reduced diameter C=With Myosoft
E=Bi convex *=Prism depends on prism base and power

Blanks not in stock.
Delivery time + 5 days.

INDEX 1.50

Add prog: 0.75 - 4.00 Add top: 0.75 - 4.00

UniZone US28 Perform

Design	Ø	Normal range				Special range			
		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Perform	60	+7	-10	-10	6	+9AE	-18C	-10	10
Perform	70	+7	-8	-10	6	+8E	-18C	-10	10
Perform	75	+5	-6	-8	4	+6	-18C	-8	8

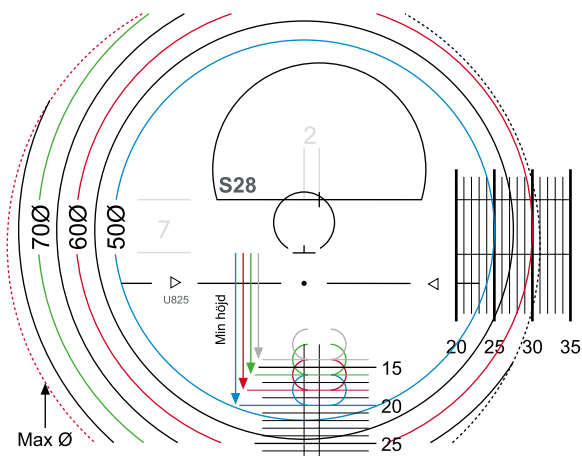
= + sphere power affects the limit. Noted above is with lowest available add. Add +2 reduces max with 1D.

A = Possible with reduced diameter C = With Myosoft
E = Bi convex * = Prism depends on prism base and power

Engraving

Sign: soft: Z clear: U
Symbol: Distance Δ
Balance \triangleright
Near ∇

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

**INDEX 1.50**

Add prog: 0.75 - 4.00 Add top: 0.75 - 4.00

UniZone US28 Atoric

Design	Ø	Normal range				Special range			
		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Atoric	60	+7	-10	-10	6	+9AE	-18C	-10	10
Atoric	70	+7	-8	-10	6	+8E	-18C	-10	10
Atoric	75	+5	-6	-8	4	+6	-18C	-8	8

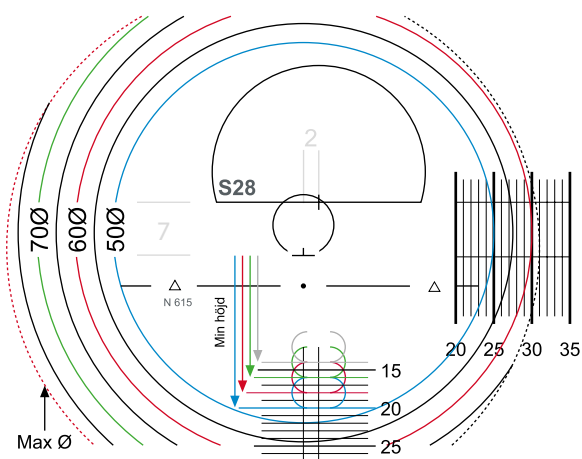
= + sphere power affects the limit. Noted above is with lowest available add. Add +2 reduces max with 1D.

A = Possible with reduced diameter C = With Myosoft
E = Bi convex * = Prism depends on prism base and power

Engraving

Sign: N
Symbol: Distance Δ
Balance \triangleright
Near ∇

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

**INDEX 1.50**

Add prog: 0.75 - 4.00 Add top: 0.75 - 4.00

UniZone US28 Classic

Design	Ø	Normal range				Special range			
		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Classic	60	+7	-10	-10	6	+9AE	-18C	-10	10
Classic	70	+7	-8	-10	6	+8E	-18C	-10	10
Classic	75	+5	-6	-8	4	+6	-18C	-8	8

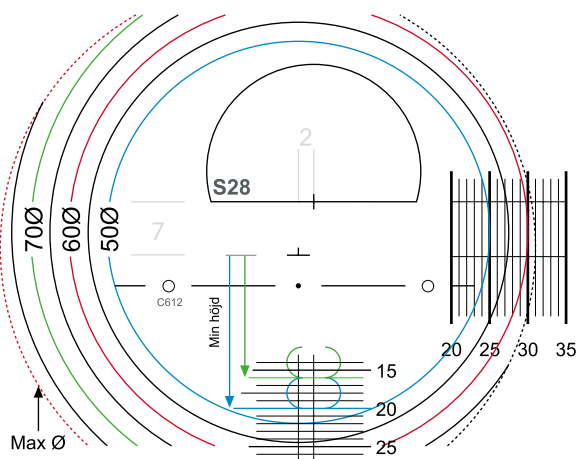
= + sphere power affects the limit. Noted above is with lowest available add. Add +2 reduces max with 1D.

A = Possible with reduced diameter C = With Myosoft
E = Bi convex * = Prism depends on prism base and power

Engraving

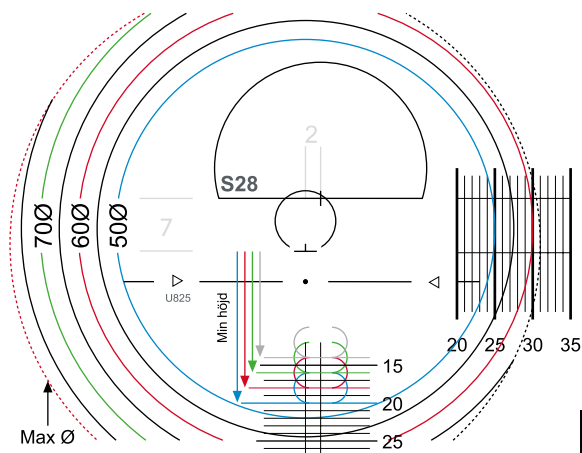
Sign: C
Symbol: \bigcirc

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5



UniZone US28 Perform High Add

Add prog: 0.75 - 4.00 Add top: 4.50 - 6.00

INDEX 1.50

Addition available in 0.50 increments.

		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Perform	60	+7	-10	-10	6	+9AE	-18C	-10	10
Perform	70	+7	-8	-10	6	+8E	-18C	-10	10
Perform	75	+5	-6	-8	4	+6	-18C	-8	8

#= + sphere power affects the limit. Noted above is with lowest available add. Add +2 reduces max with 1D.

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

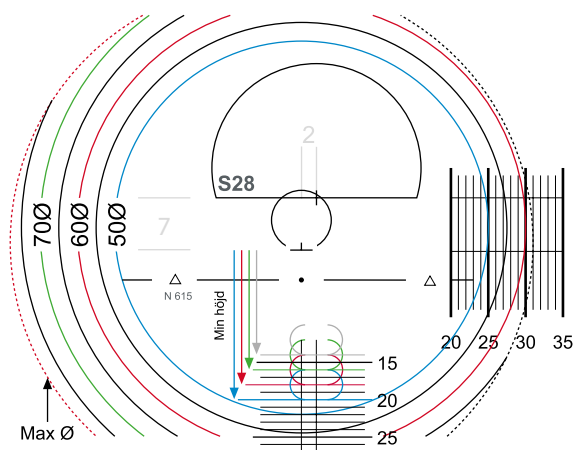
More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Engraving

Sign: soft: Z
clear: USymbol: Distance Δ
Balance ▷
Near ▽

UniZone US28 Atoric High Add

Add prog: 0.75 - 4.00 Add top: 4.50 - 6.00

INDEX 1.50

Addition available in 0.50 increments.

		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Atoric	60	+7	-10	-10	6	+9AE	-18C	-10	10
Atoric	70	+7	-8	-10	6	+8E	-18C	-10	10
Atoric	75	+5	-6	-8	4	+6	-18C	-8	8

#= + sphere power affects the limit. Noted above is with lowest available add. Add +2 reduces max with 1D.

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

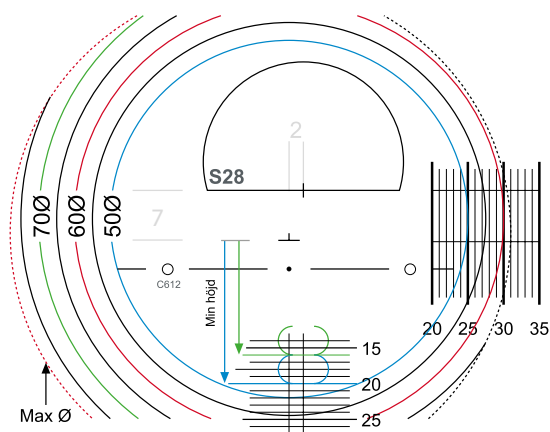
Engraving

Sign: N

Symbol: Distance Δ
Balance ▷
Near ▽

UniZone US28 Classic High Add

Add prog: 0.75 - 4.00 Add top: 4.50 - 6.00

INDEX 1.50

Addition available in 0.50 increments.

		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Design	Ø	Normal range				Special range			
Classic	60	+7	-10	-10	6	+9AE	-18C	-10	10
Classic	70	+7	-8	-10	6	+8E	-18C	-10	10
Classic	75	+5	-6	-8	4	+6	-18C	-8	8

#= + sphere power affects the limit. Noted above is with lowest available add. Add +2 reduces max with 1D.

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Engraving

Sign: C

Symbol: ○

INDEX 1.60 Add prog: 0.75 - 4.00 Add top: 1.00 - 3.00

UniZone US28 Perform

Design	Ø	Normal range				Special range			
Perform	60	+8	-10	-10	6	+11AE	-18C	-10	10
Perform	70	+5	-8	-10	6	+5	-18C	-10	10
Perform	75	+4	-6	-8	4	+4	-18C	-8	8

#= + sphere power affects the limit. Noted above is with lowest available add. Add +2 reduces max with 1D.

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

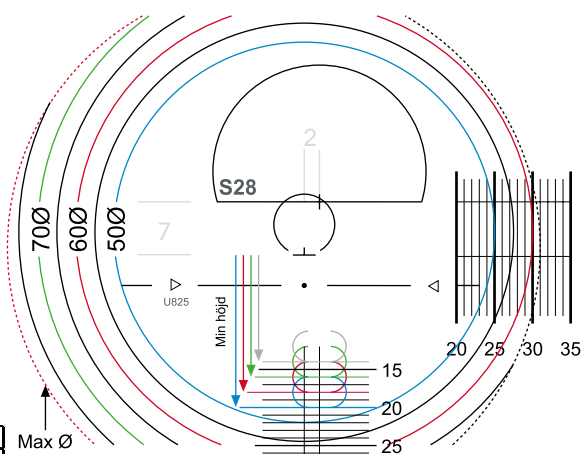
*=Prism depends on prism base and power

Engraving

Sign: soft: Z
clear: U

Symbol: Distance Δ
Balance \triangleright
Near ∇

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5


INDEX 1.60 Add prog: 0.75 - 4.00 Add top: 1.00 - 3.00

UniZone US28 Atoric

Design	Ø	Normal range				Special range			
Atoric	60	+8	-10	-10	6	+11AE	-18C	-10	10
Atoric	70	+5	-8	-10	6	+5	-18C	-10	10
Atoric	75	+4	-6	-8	4	+4	-18C	-8	8

#= + sphere power affects the limit. Noted above is with lowest available add. Add +2 reduces max with 1D.

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

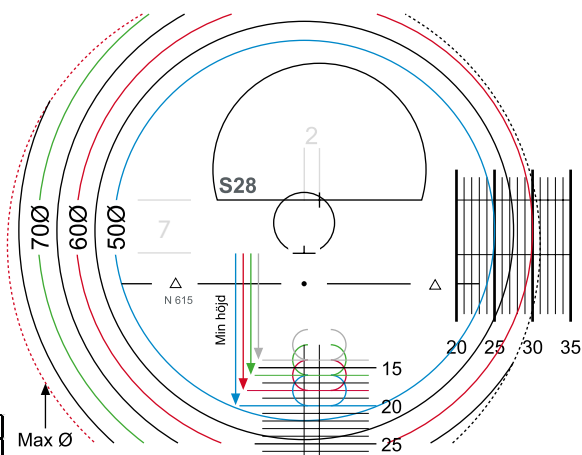
*=Prism depends on prism base and power

Engraving

Sign: N

Symbol: Distance Δ
Balance \triangleright
Near ∇

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5


INDEX 1.60 Add prog: 0.75 - 4.00 Add top: 1.00 - 3.00

UniZone US28 Classic

Design	Ø	Normal range				Special range			
Classic	60	+8	-10	-10	6	+11AE	-18C	-10	10
Classic	70	+5	-8	-10	6	+5	-18C	-10	10
Classic	75	+4	-6	-8	4	+4	-18C	-8	8

#= + sphere power affects the limit. Noted above is with lowest available add. Add +2 reduces max with 1D.

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

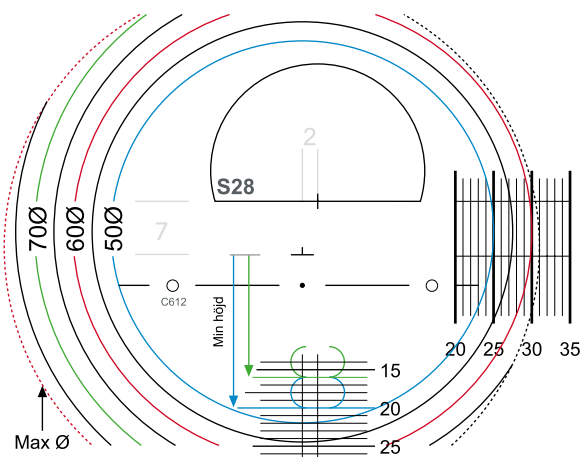
*=Prism depends on prism base and power

Engraving

Sign: C

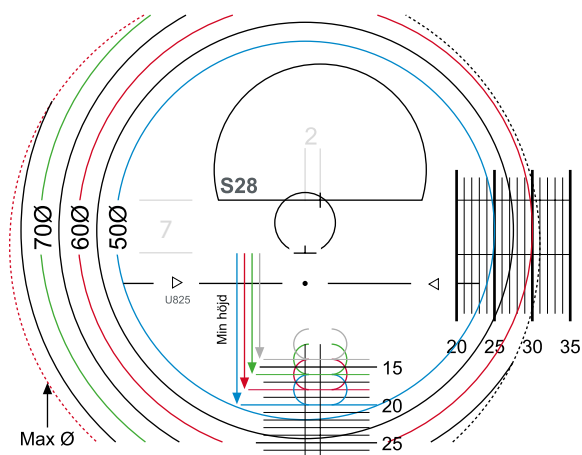
Symbol: O

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5



UniZone US28 Relax Perform

Add prog: 0.75 - 4.00 Add top: 2.50 - 6.00

INDEX 1.50

The upper segment has a convergence prism calculated based on the addition.

Design	Ø	Normal range				Special range			
		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Classic	60	+5	-10	-10	6	+9	-12	-10	10
Classic	70	+5	-8	-10	6	+8	-12	-10	10
Classic	75	+5	-6	-8	4	+6	-12	-8	8

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

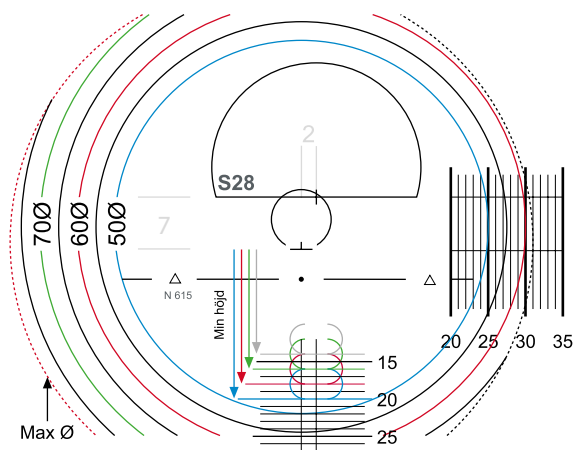
Engraving

Sign: soft: Z
clear: U

Symbol: Distance △
Balance ▷
Near ▽

UniZone US28 Relax Atoric

Add prog: 0.75 - 4.00 Add top: 2.50 - 6.00

INDEX 1.50

The upper segment has a convergence prism calculated based on the addition.

Design	Ø	Normal range				Special range			
		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Classic	60	+5	-10	-10	6	+9	-12	-10	10
Classic	70	+5	-8	-10	6	+8	-12	-10	10
Classic	75	+5	-6	-8	4	+6	-12	-8	8

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

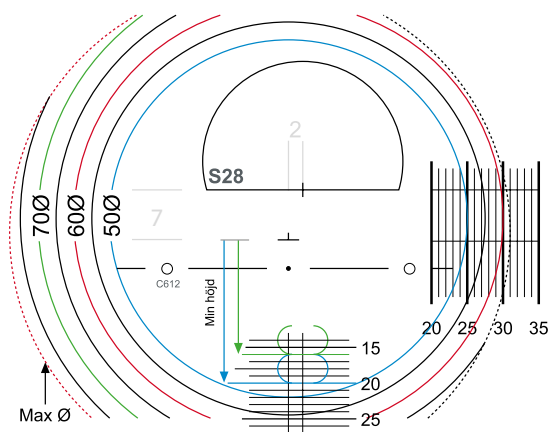
Engraving

Sign: N

Symbol: Distance △
Balance ▷
Near ▽

UniZone US28 Relax Classic

Add prog: 0.75 - 4.00 Add top: 2.50 - 6.00

INDEX 1.50

The upper segment has a convergence prism calculated based on the addition.

Design	Ø	Normal range				Special range			
		+ Sphere#	- Sphere	Cylinder	Prism *	+ Sphere#	- Sphere	Cylinder	Prism *
Classic	60	+5	-10	-10	6	+9	-12	-10	10
Classic	70	+5	-8	-10	6	+8	-12	-10	10
Classic	75	+5	-6	-8	4	+6	-12	-8	8

A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

Engraving

Sign: C

Symbol: ○

INDEX 1.50

Add: 1.50 - 3.00

Upper segment can be ordered with either 62 % or same addition as the lower segment. See below what combinations are available. Note that the lens is symmetric so it can be fitted upside-down to have the lower addition in the lower segment if desired.

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

Design	Ø	Normal range				Special range			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	60	+6	-8	-10	4	+8AE	-10C	-10	8
Classic	70	+6	-6	-10	4	+7E	-10C	-10	8

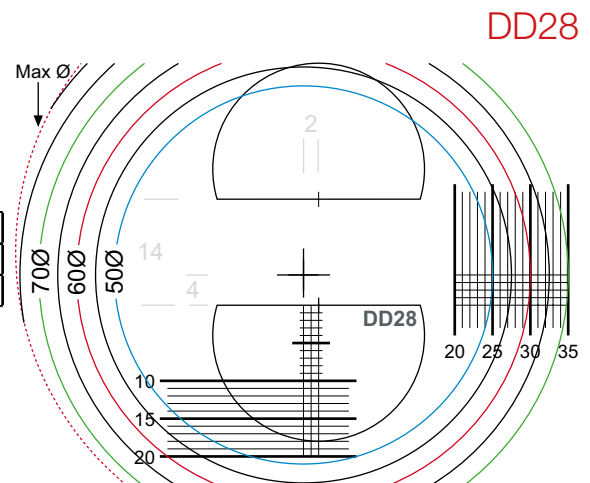
A=Possible with reduced diameter

C=With Myosoft

E=Bi convex

*=Prism depends on prism base and power

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	n/a
Spec. grinding	p. 1:4-1:5

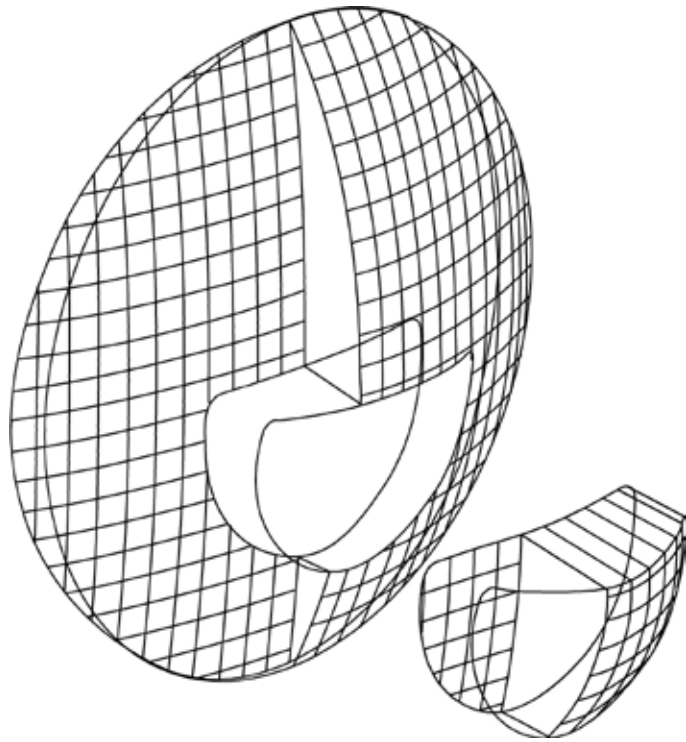


ADDITION OF UPPER SEGMENT

It's possible to add an upper segment to all our free form lenses (progressive and SV) in index 1.5 and 1.6. As standard, we place the segment 2 mm decentered horizontally and 7 mm above the fitting point. See more information in the price list.



Special lens for creative solutions

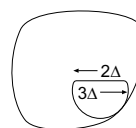


Standard glasses may not always be the optimal choice for competitive target shooters, fighter pilots or conductors. Why, for example, do bifocal glasses always have a smaller area for near vision and a larger area for far vision? Why not the other way round? "Optio" is a Latin word that means freedom 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

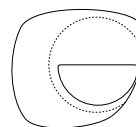
Different prisms in different segments

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.



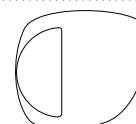
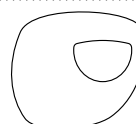
Strong addition

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



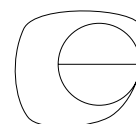
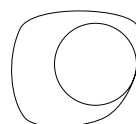
Special placement of segments

ML Optio offers the option of completely specifying segment placement.



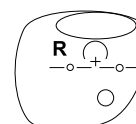
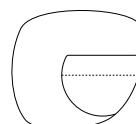
Smaller lenticula

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

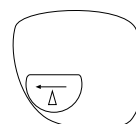
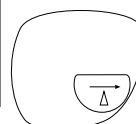
There are still many unsolved problems. You are our key link to customers/patients and we are therefore grateful if you share any ideas, questions or problems that you

encounter. It is almost always possible to find a practical solution. Here are some of the effective solutions that we have delivered.

"Bino lens"

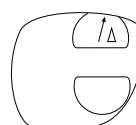
When the addition exceeds five dioptres, an adjusted prism base in needs to be introduced as a convergence aid for binocular vision.

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



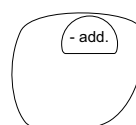
"Lens for a craftsman"

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.



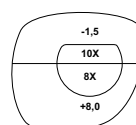
"Advanced solution for low vision patients"

Distance orientation -1.5

Small text 10X

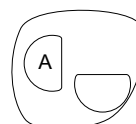
Headlines 8X

Near orientation +8.0 dipoter



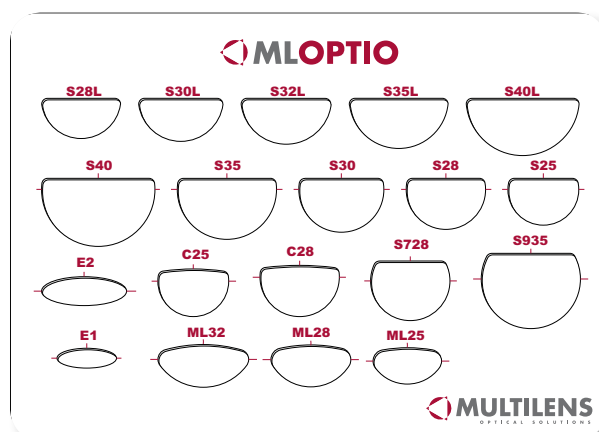
"Shooting lens"

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



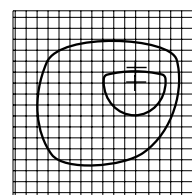
SEGMENTS DESIGN

- 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.



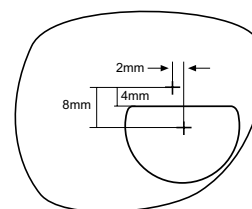
DRAWING

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

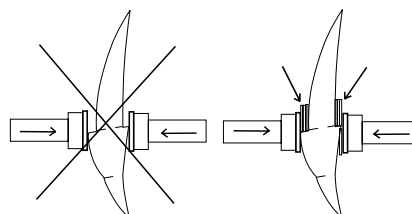
One of the advantages of the ML Optio lens, compared to a normal bifocal or trifocal, is that the optical centre is precisely positioned even in the reading sections. This can be compared to a standard lens where the position of the reading centre depends on the lens power and cylinder. If no special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

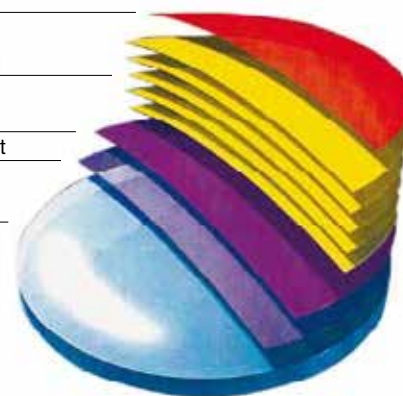
Hydrophobic Layer

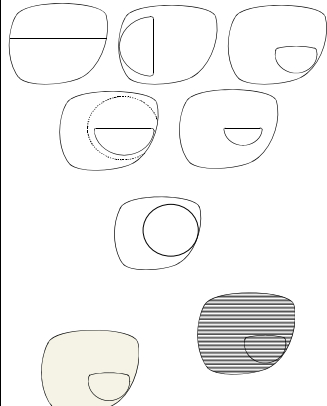


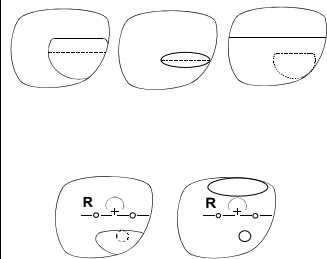


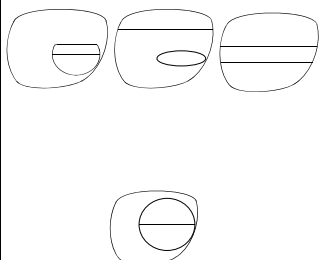


AR Multilayer System

Adhesion Layer

Lacquering Treatment

Lens



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. With  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 25mm. With  as standard	21070
		Add cost with Polarization	As above but with polarization.	25700
		Add cost with Transition	As above but with Transition.	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. With  as standard	22000 **
		"Pilot" lens	A progressive lens with one OPTIO segment. Free choice of OPTIO segment. With  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 two OPTIO segments. Free choice of OPTIO segment. With  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 or 25mm. With  as standard	21970
		Add cost with Polarization	As above but with polarization.	25701
		Add cost with Transition	As above but with Transition.	25501

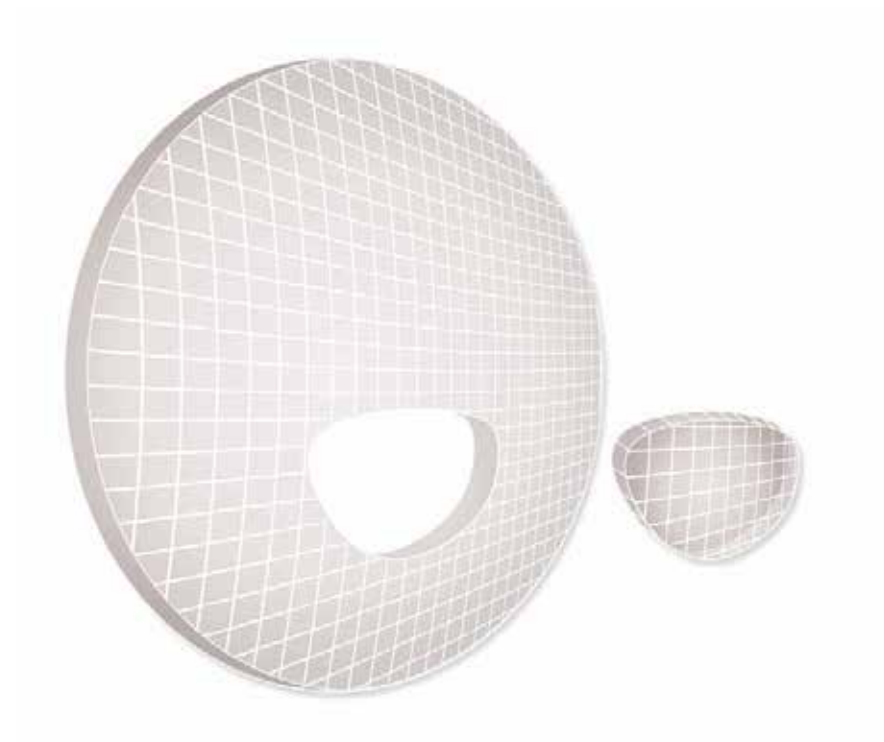
** for specific art no see list on next page.

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
No. 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 S28		24810
	ML Optio Grp 4 S35 S35		24818
	ML Optio Grp 4 E-line Trifo		24901

Picture	Article	Specification	No.
ADD COST	Standard colour	Up to 50%	03000
	Standard colour dark	Up to 95%	03050
	Gradient	Brown, grey	03300
	Filter colour	400, 450, 500, 511, 527, 550 or 585 nm	300**
	Filter colour on transition lens	400, 450, 500, 511, 527, 550 or 585 nm	304**
	PRIMA on Optio lenses	Hard coat, Super-antireflection, Aqua coat	01008
EDGING	Edging standard OPTIO	All powers	07019
	Add cost		
	Edging nylon thread OPTIO		07015
	Edging metal thread OPTIO		07016
	Edging four hole OPTIO		07017
	Edging eight hole OPTIO		07018
	Eight base frame		07013
	Edging based on template		07012
	Polishing of edge		07006
	Other special work	Per started half hour	07007

** : Initial two figures of the filter colour

(400 = 40 / 450 = 45 / 500 = 50 / 511 = 51 / 527 = 52 / 550 = 55 / 585 = 58)



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 receive 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.

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

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

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

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

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

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 flip 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.

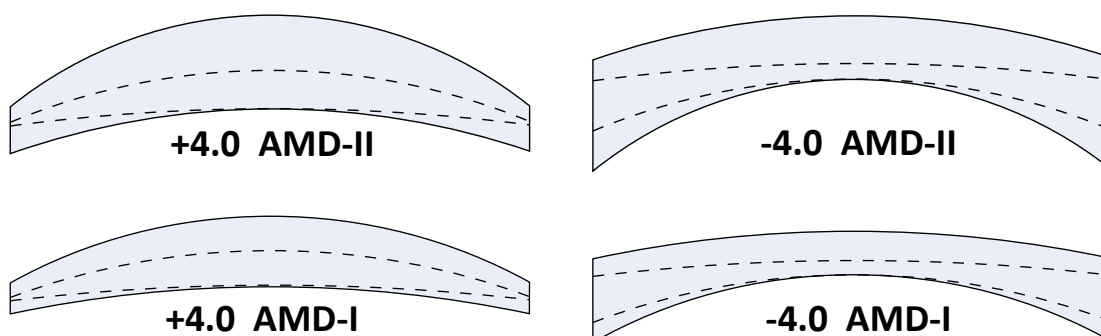


Illustration of increased thickness of lenses because of AMD Comfort.

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.

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 SV

Basic design:

SV Classic

AMD versions:

AMD-I och AMD-II

Transitions and polarized options:

Yes

Power range:

See next page

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.



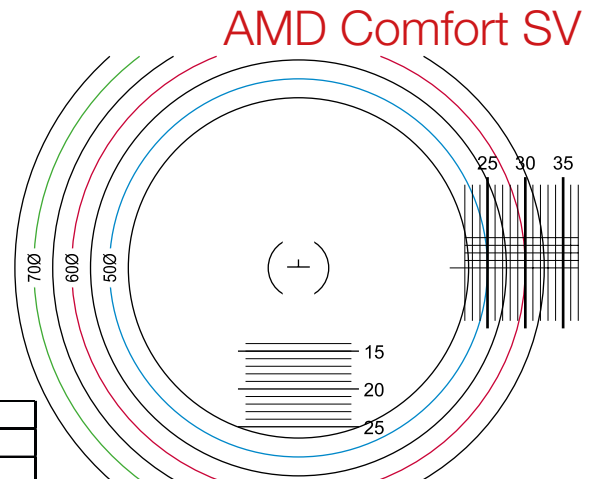
INDEX 1.50

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

Design		AMD I				AMD II			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	70	8	-8	-6	4	6	-6	-6	3
Classic Pol	70	6	-8	-6	4	4	-6	-6	3
Classic Trans	70	6	-8	-6	4	4	-6	-6	3

Larger diameter is often possible

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

**INDEX 1.50**

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.

Add: 0.75 - 4.00

Corridor length

Min.recommended fitting height

20 mm	18 mm	16 mm	14 mm
●		●	

Progression design

	Distance	Balance	Near
Soft			
Clear		●	

Engraving

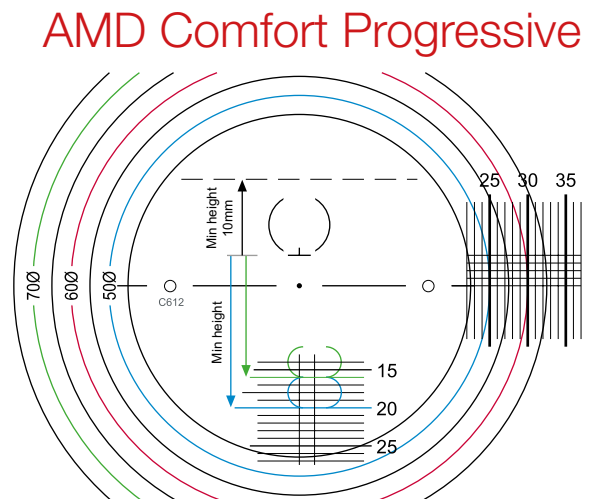
Sign: C

Symbol: O

Design		AMD I				AMD II			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	70	8	-8	-6	4	6	-6	-6	3
Classic Pol	70	6	-8	-6	4	4	-6	-6	3
Classic Trans	70	6	-8	-6	4	4	-6	-6	3

Larger diameter is often possible

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5

**INDEX 1.50**

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.

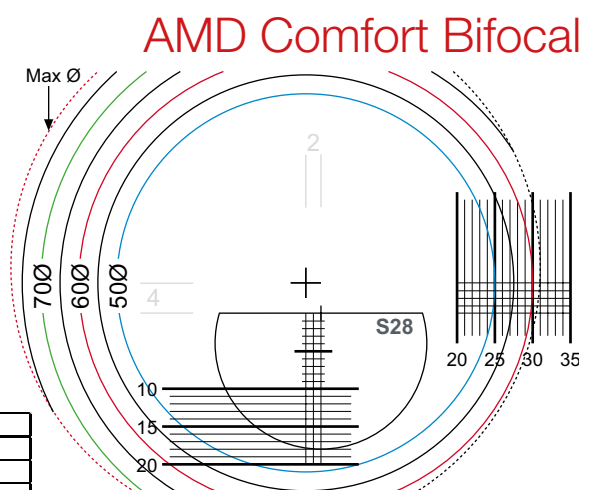
Add: 0.75 - 6.00

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

Design		AMD I				AMD II			
		+ Sphere	- Sphere	Cylinder	Prism *	+ Sphere	- Sphere	Cylinder	Prism *
Classic	70	6	-8	-6	4	4	-6	-6	3
Classic Pol	70	6	-8	-6	4	4	-6	-6	3
Classic Trans	70	6	-8	-6	4	4	-6	-6	3
CI High add	70	4	-6	-6	4	-	-	-	-

Larger diameter is often possible

More information	
Coating	p. 1:7
Filter/Tint	p. 1:10-1:11
Pol/Trans	p. 1:8
Spec. grinding	p. 1:4-1:5



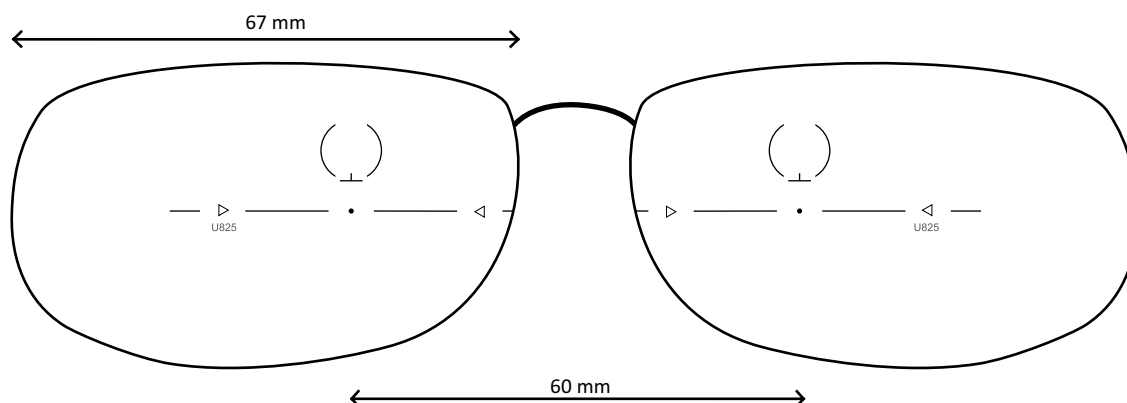
LENSES FOR LARGE CURVED SPORT FRAMES

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

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.

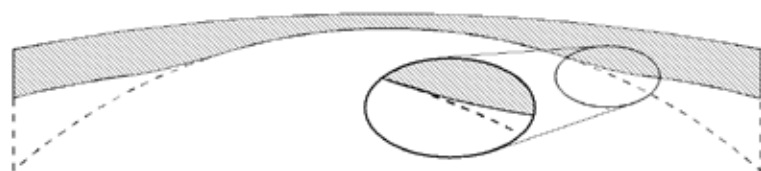
What is less known is that we can also do this with our bifocal lens RS28.



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 techniques 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:

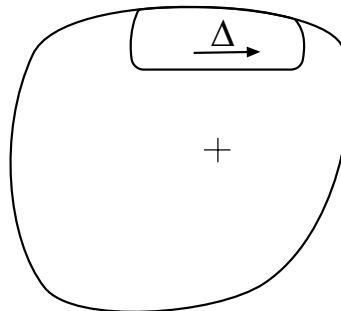
Exact tailor-made solution with convergence prism to increase comfort. Many different options.

Disadvantage:

More expensive than alternative 1. Might be hard to overview all the possibilities.

Bifocal lens with an upper reading part

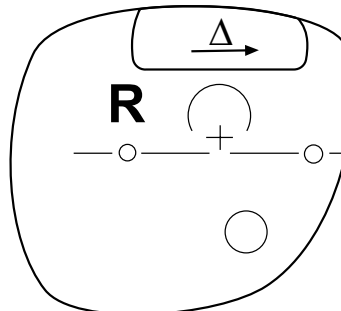
Available both with and without convergence prism. Also possible to add a prism base up to reduce the eye and neck movement.



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

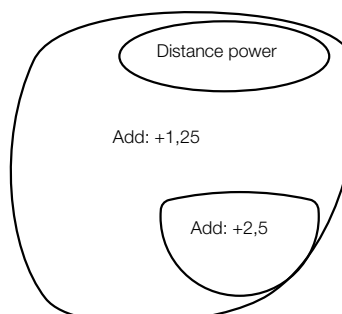
Available both with and without convergence prism. Also possible to add a prism base up to reduce the eye and neck movement.



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.



Multilens has been working with special optics for more than 25 years. We manufacture unique lenses and are able to produce solutions for the most uncommon sight disorders. Over the course of these years, it has become increasingly clear how important the frame is for the optimal performance of the optical solution. The wearer will not gain the full benefit of the lenses unless the frame is suited to the properties of the lenses. It is for this reason that we have developed a range of frames that perform well with our various solutions.

Frames

Our frames have the following features:

- **Comfortable** – Most people wear their glasses during the greater part of the day. Obviously, it is vital that glasses do not chafe or leave a mark on your nose after wearing them all day.
- **Stable** – As some of our solutions weigh slightly more than regular glasses, stability is an important feature.
- **Unisex** – Many of our frames can be worn by women and men. But we also have frames that are more suitable either for men or for women.
- **Timeless design** – We have no ambition to try and keep up with the latest trends. We're more interested in frames that look good and stand the test of time.
- **Robust/Top quality** – The quality of our frames matches the optics we produce. In other words, our focus is on quality of the highest class.

Framekit

All our frames are delivered in a case with a lens cleaning cloth. We also offer frame kit, which include the frame, edging of lenses, a case and cleaning cloth. All that needs to be added are the desired lenses.

Material in our frames

- **Metal** - All our metal frames are made of high quality metal and are nickel free.
- **Acetate** - Cellulose acetate, a standard plastic material most plastic frames are made of. Easy to adjust.
- **TR90 Bio** - Our premium plastic material. Flexible, durable and light weight. Made from renewable material which makes this a more environmentally friendly choice. Due to the properties of the material, highest comfort can be achieved without too much adjusting.

STANDARD FRAMES

VIDI



VIDI is our most popular frame. A stable frame with a U-shaped nose piece. Material: Metal.

Model	Specifications	Article no.	
		Frame	Kit
Vidi-46	Colour: Metal Size: Hbox: 46, Vbox: 35, Dbl: 20 Base: 4	70546	07020
Vidi-48	Colour: Metal Size: Hbox: 48, Vbox: 36, Dbl: 20 Base: 4	70548	07021
Vidi-50	Colour: Metal Size: Hbox: 50, Vbox: 38, Dbl: 20 Base: 4	70550	07022
Vidi-52	Colour: Metal Size: Hbox: 52, Vbox: 40, Dbl: 20 Base: 4	70552	07023
Vidi-48 Black	Colour: Black Size: Hbox: 48, Vbox: 36, Dbl: 20 Base: 4	70555	07047
Vidi-50 Black	Colour: Metal Size: Hbox: 50, Vbox: 38, Dbl: 20 Base: 4	70556	07048



LADY



LADY is the female version of the VIDI frame. A stable frame with a U-shaped nose piece. Material: Metal.

Model	Specifications	Article no.	
		Frame	Kit
Vidi Lady-48	Colour: Red Size: Hbox: 48, Vbox: 36, Dbl: 19 Base: 4	91036	07024
Vidi Lady-50	Colour: Red Size: Hbox: 50 Vbox: 36, Dbl: 20 Base: 4	91037	07025



UNI



UNI is a discrete metal frame that looks good on women and men. Available in grey and red. Material: Metal.

Model	Specifications	Article no.	
		Frame	Kit
Uni Red	Colour: Red Size: Hbox: 50, Vbox: 30, Dbl: 20 Base: 4	46000	07026
Uni Grey	Colour: Grey Size: Hbox: 50 Vbox: 30, Dbl: 20 Base: 4	46100	07027



ALEX



ALEX is one of our old faithfuls. Its wide visual field makes it a popular choice. Also available as a ready-to-use filter solution. Material: Acetate.

Model	Specifications	Article no.	
		Frame	Kit
Alex	Colour: Transparent Brown Size: Hbox: 49, Vbox: 41, Dbl: 19 Base: 4	91000	07028



NELLI



NELLI is another one of our old faithfuls. Its wide visual field makes it a popular choice too. Also available as a ready-to-use filter solution. Material: Acetate.

Model	Specifications	Article no.	
		Frame	Kit
Nelli	Colour: Speckled Brown Size: Hbox: 50, Vbox: 41, Dbl: 18 Base: 4	91001	07029



LARS



LARS was launched as a frame for men but has become very popular among women too. Material: Acetate.

Model	Specifications	Article no.	
		Frame	Kit
Lars	Colour: Speckled Brown & Black Size: Hbox: 53 Vbox: 30, Dbl: 17 Base: 4	91052	07030



SVEA



SVEA is an elegant frame designed primarily for women. Also suitable for men. Material: Acetate.

Model	Specifications	Article no.	
		Frame	Kit
Svea	Colour: Brown Size: Hbox: 51 Vbox: 31, Dbl: 17 Base: 4	91053	07031



MARIA



MARIA is an elegant frame that looks good on women and men. Material: Metal front with acetate temples.

Model	Specifications	Article no.	
		Frame	Kit
Maria	Colour: Purple Size: Hbox: 53 Vbox: 32, Dbl: 17 Base: 4	91054	07032



ANNA



ANNA is an elegant frame that looks good on women and men. The same design as MARIA but with a different pattern and in nougat colour. Material: Metal front with acetate temples.

Model	Specifications	Article no.	
		Frame	Kit
Anna	Colour: Nougat Size: Hbox: 53 Vbox: 32, Dbl: 17 Base: 4	91055	07033



JESPER



JESPER is one of our newer frames and has an elegant, but robust look. Material: Acetate.

Model	Specifications	Article no.	
		Frame	Kit
Jesper	Colour: Dark Brown Size: Hbox: 53 Vbox: 32, Dbl: 17 Base: 4	91056	07059



CHILDREN STANDARD FRAMES

CHILD 1



Child 1 is made of anti bacterial plastic and very robust. Colour: Purple or blue with white temples.

Model	Specifications	Article no.	
		Frame	Kit
Child 1 Purple	Colour: Purple Size: Hbox: 39, Vbox: 28, Dbl: 16 Base: 3	91080	07045
Child 1 Blue	Colour: Blue Size: Hbox: 39 Vbox: 28, Dbl: 16 Base: 3	91081	07046



JUNIOR



JUNIOR is our lightweight frame for kids. It's made of metal and very stable.

Model	Specifications	Article no.	
		Frame	Kit
Junior 40	Colour: Speckled Brown Size: Hbox: 39, Vbox: 27, Dbl: 19 Base: 4	91006	07067
Junior 42	Colour: Speckled Brown Size: Hbox: 41, Vbox: 29, Dbl: 19 Base: 4	91007	07068



JUNIOR HT



JUNIOR is our lightweight frame for kids. It's made of metal and very stable. The HT model has hooked temples.

Model	Specifications	Article no.	
		Frame	Kit
Junior HT 40	Colour: Speckled Brown Size: Hbox: 39, Vbox: 27, Dbl: 19 Base: 4	91078	07050
Junior HT 42	Colour: Speckled Brown Size: Hbox: 41, Vbox: 29, Dbl: 19 Base: 4	91079	07051



COMO SPORT



The Como products are onepiece molded frames without metal parts. Como Sport is suitable for childrens from age 8 and adults.

Model	Specifications	Article no.	
		Frame	Kit
Sport S Black	Colour: Black Size: Hbox: 43, Vbox: 36, Dbl: 18 Base: 2	91016	07052
Sport M Orange	Colour: Orange Size: Hbox: 49, Vbox: 41, Dbl: 18 Base: 2	91016	07052
Sport L Green	Colour: Green Size: Hbox: 50, Vbox: 45, Dbl: 19 Base: 2	91016	07052
Sport L White	Colour: White Size: Hbox: 50, Vbox: 45, Dbl: 19 Base: 2	91016	07052
Sport L Orange	Colour: Orange Size: Hbox: 50, Vbox: 45, Dbl: 19 Base: 2	91016	07052

Note: Please note article number and model at order



COMO JUNIOR



The Como products are onepiece molded frames without metal parts. Como Junior is suitable for children aged 4-7.

Model	Size	Article no.	
		Frame	Kit
Junior White	Colour: White Size: Hbox: 45, Vbox: 39, Dbl: 18 Base: 2	91016	07052
Junior Turquoise	Colour: Turquoise Size: Hbox: 45, Vbox: 39, Dbl: 18 Base: 2	91016	07052

Note: Please note article number and model at order



COMO BABY



The Como products are onepiece molded frames without metal parts. Como Baby is suitable for small children up to 2 years.

Model	Specifications	Article no.	
		Frame	Kit
Baby White	Colour: White Size: Hbox: 36, Vbox: 31, Dbl: 15 Base: 2	91016	07052
Baby Turquoise	Colour: Turquoise Size: Hbox: 36, Vbox: 31, Dbl: 15 Base: 2	91016	07052
Baby Pink	Colour: Pink Size: Hbox: 36, Vbox: 31, Dbl: 15 Base: 2	91016	07052

Note: Please note article number and model at order



COMO BABY 2



The Como products are onepiece molded frames without metal parts. Como Baby 2 is suitable for children up to age 4.

Model	Specifications	Article no.	
		Frame	Kit
Baby 2 White	Colour: White Size: Hbox: 40, Vbox: 37, Dbl: 16 Base: 2	91016	07052
Baby 2 Turquoise	Colour: Turquoise Size: Hbox: 40, Vbox: 37, Dbl: 16 Base: 2	91016	07052
Baby 2 Pink	Colour: Pink Size: Hbox: 40, Vbox: 37, Dbl: 16 Base: 2	91016	07052

Note: Please note article number and model at order



HALF FRAMES

HALV-2



The Halv-2 frame suits both men and women. It is made of transparent plastic with brown temples.

Model	Specifications	Article no.	
		Frame	Kit
Halv 2	Colour: Brown Size: Hbox: 41 Vbox: 28, Dbl: 24 Base: 4	45200	07060



HALV-3



The Halv-3 frame suits both men and women. It is made of brushed silver metal.

Model	Specifications	Article no.	
		Frame	Kit
Halv 3 Metal	Colour: Metal Size: Hbox: 41, Vbox: 29, Dbl: 26 Base: 4	45300	07061
Halv 3 Red	Colour: Red Size: Hbox: 41, Vbox: 29, Dbl: 26 Base: 4	45301	07049



HALV-4



The Halv-4 frame is our best seller for children. It is made of durable plastic and comes in three different colours, Black, Red, Blue.

Model	Specifications	Article no.	
		Frame	Kit
Halv 4 Black	Colour: Black Size: Hbox: 42, Vbox: 29, Dbl: 24 Base: 4	45400	07062
Halv 4 Red	Colour: Red Size: Hbox: 42, Vbox: 29, Dbl: 24 Base: 4	45500	07063
Halv 4 Blue	Colour: Blue Size: Hbox: 42, Vbox: 29, Dbl: 24 Base: 4	45600	07064



HALV-5



The Halv-5 frame is made of metal and is available in grey and red.

Model	Specifications	Article no.	
		Frame	Kit
Halv 5 Red	Colour: Red Size: Hbox: 40, Vbox: 28, Dbl: 28 Base: 4	45700	07065
Halv 5 Grey	Colour: Grey Size: Hbox: 40, Vbox: 28, Dbl: 28 Base: 4	45800	07066



HALV-6



An elegant frame in the same design as the sun frame SUN-6. Black plastic front with metal temples.

Model	Specifications	Article no.	
		Frame	Kit
Halv 6	Colour: Black Size: Hbox: 41 Vbox: 29, Dbl: 27 Base: 4	45801	07080



SUN FRAMES

SUN GUARD 1

An elegant black plastic frame with a tight fit for most people. Inside of temple has a rubber layer for an even better fit. Sun Guard 1 is delivered without side lens as default when only frame or framekit is ordered. Please see below for specifications of the side lenses. Material: TR90.

Model	Specifications	Article no.	
		Frame	Kit
Sun Guard 1 Black	Colour: Black Size: Hbox: 57 Vbox: 38, Dbl: 15 Base: 6	91103	07103
Sun Guard 1 Hazelnut	Colour: Speckled Brown Size: Hbox: 57 Vbox: 38, Dbl: 15 Base: 6	91126	07124



SUN GUARD 2

An elegant black plastic frame with a tight fit for most people. Inside of temple has a rubber layer for an even better fit. Sun Guard 2 is delivered without side lens as default when only frame or framekit is ordered. Please see below for specifications of the side lenses. Material: TR90.

Model	Specifications	Article no.	
		Frame	Kit
Sun Guard 2 Black	Colour: Black Size: Hbox: 60 Vbox: 42, Dbl: 14 Base: 6	91125	07125
Sun Guard 2 Hazelnut	Colour: Speckled Brown Size: Hbox: 60 Vbox: 42, Dbl: 14 Base: 6	91127	07126



SIDESHIELDS FOR SUN GUARD 1 AND SUN GUARD 2

Basic Tint	UV	400	C1	450	500	511	527	550
Plain filter	-	310001	310002	310003	310004	310005	310006	310007
Light Grey*	310020	310008	310009	310010	310011	310012	310013	310014
Dark Grey**	310021	-	-	310015	310016	310017	310018	310019
Black / Opaque	310022	-	-	-	-	-	-	-
Hazelnut	310023	-	-	-	-	-	-	-

*: Equivalent to Pol 1 | **: Equivalent to Pol 3

SUN-7



An elegant black plastic frame with a tight fit for most people. Inside of temple has a rubber layer for an even better fit. Material: TR90.

Model	Specifications	Article no.	
		Frame	Kit
Sun 7	Colour: Black Size: Hbox: 63 Vbox: 39, Dbl: 16 Base: 7	91061	07090



SUN-6



Black plastic front with metal temples. Exclusive look and high quality. Material: Acetate front and metal temples.

Model	Specifications	Article no.	
		Frame	Kit
Sun 6	Colour: Black Size: Hbox: 57 Vbox: 36, Dbl: 19 Base: 6	91060	07089



SUN-V



A dark brown-bordeaux frame with metallic details on the sides. Frame in plastic. A frame that sits tight on most people and the large lenses provides a good visual field. Material: TR90.

Model	Specifications	Article no.	
		Frame	Kit
Sun V	Colour: Maroon (Red-brown) Size: Hbox: 66 Vbox: 41, Dbl: 16 Base: 8	91057	07091



SUN-LADY



SUN-LADY has slightly larger lenses than traditional sunglasses, making it very comfortable to wear. Material: TR90.

Model	Specifications	Article no.	
		Frame	Kit
Sun Lady	Colour: Dark Bronze Size: Hbox: 64 Vbox: 38, Dbl: 18 Base: 8	91017	07037



SUN-2



A small frame with a really good fit, designed for sports and an active lifestyle. Rubber temple tips for a better fit.
Material: TR90

Model	Specifications	Article no.	
		Frame	Kit
Sun 2 Grey	Colour: Transparent Grey Size: Hbox: 56 Vbox: 37, Dbl: 22 Base: 7	91027	07035
Sun 2 Brown	Colour: Speckled Brown Size: Hbox: 56, Vbox: 37, Dbl: 22 Base: 7	91020	07036



SUN-3



A plastic frame with good side protections. Comes in a total of three different sizes and two different colors. The temple tips have a rubber like surface with a metal core allowing a precise individual adjustment. Material: TR90

Model	Specifications	Article no.	
		Frame	Kit
Sun 3 Brown S	Colour: Speckled Brown Size: Hbox: 47, Vbox: 30, Dbl: 16 Base: 4	91028	07039
Sun 3 Brown M	Colour: Speckled Brown Size: Hbox: 50, Vbox: 34, Dbl: 15 Base: 4	91022	07040
Sun 3 Brown L	Colour: Speckled Brown Size: Hbox: 55, Vbox: 34, Dbl: 15 Base: 4	91021	07042
Sun 3 Black M	Colour: Black Size: Hbox: 50, Vbox: 34, Dbl: 15 Base: 4	91041	07041
Sun 3 Black L	Colour: Black Size: Hbox: 55, Vbox: 34, Dbl: 15 Base: 4	91042	07043
Sun 3 Black XL	Colour: Black Size: Hbox: 59, Vbox: 38, Dbl: 16 Base: 4	91043	07044



FLIP-UP WITH RIM



A Clip-on with a flip-up function to put on the normal pair of glasses.

Model	Specifications	Article no.	
		Frame	Kit
Flip-up with rim M	Colour: Beige Size: Hbox: 51 Vbox: 37, Dbl: 19 Base: 6	91004	07053
Flip-up with rim L	Colour: Beige Size: Hbox: 51, Vbox: 44, Dbl: 19 Base: 6	91005	07054



FLIP-UP MECHANISM

A Clip-on mechanism for flip-ups without rim. When a Flip-up mechanism is ordered, a mounting kit is included (screws etc.). The lens shapes of the frame kits are defined by the corresponding ML Filter Flip-up without rim. Lenses must be ordered together with the frame kit.

Model	Specifications	Article no.	
		Frame	Kit
Flip-up mechanism incl. mounting kit	Colour: - Size: - Base: -	91009	-
Flip-up without rim Medium	Colour: - Size: Hbox: 54, Vbox: 43, Dbl: 14 Base: 6	-	07055
Flip-up without rim Large	Colour: - Size: Hbox: 57, Vbox: 48, Dbl: 14 Base: 6	-	07056



CHILDREN SUN FRAMES

SUN KID

A sporty sunglass model for children.
Material: TR90.

Model	Specifications	Article no.	
		Frame	Kit
Sun Kid Grey	Colour: Grey Size: Hbox: 49, Vbox: 31, Dbl: 19 Base: 4	91100	07086
Sun Kid Red	Colour: Red Size: Hbox: 49, Vbox: 31, Dbl: 19 Base: 4	91101	07087
Sun Kid Blue	Colour: Blue Size: Hbox: 49, Vbox: 31, Dbl: 19 Base: 4	91102	07088



COVER FRAMES

COVER 2

Cover 2 is designed to be used together with a normal pair of glasses. The frame is made of high quality plastic, making it light and strong. The colour is brown and the frame comes in one size. On the sides, the frame is equipped with dark lenses as standard which could be replaced with other coloured lenses if requested.
Material: TR90.



Model	Specifications	Article no.	
		Frame	Kit
Cover 2 Brown	Colour: Speckled Brown Size: Hbox: 61 Vbox: 42, Dbl: 14 Front Width: ~14.5 cm Base: 4	91074	07101
Cover 2 Grey	Colour: Semi transparent Grey Size: Hbox: 61 Vbox: 42, Dbl: 14 Front Width: ~14.5 cm Base: 4	91075	07102



BIOCOVER



Biocover is designed to be used together with a normal pair of glasses. The frame is made of high quality plastic, making it light and strong. The colour is matte black and it comes in three sizes (Small, Medium and Large), making it suitable for most people and most type of glasses. On the sides, the frame is equipped with dark lenses as standard which could be replaced with other coloured lenses if requested.

Material: TR90.

Model	Specifications	Article no.	
		Frame	Kit
Biocover Hazelnut S	Colour: Speckled Brown Size: Hbox: 60, Vbox: 40, Dbl: 12 Front Width: ~13 cm Base: 4	91047	07127
Biocover Hazelnut M	Colour: Speckled Brown Size: Hbox: 64, Vbox: 42, Dbl: 13 Front Width: ~14.2 cm Base: 4	91048	07128
Biocover Hazelnut L	Colour: Speckled Brown Size: Hbox: 67, Vbox: 45, Dbl: 15 Front Width: ~14.8 cm Base: 4	91049	07129
Biocover Black S	Colour: Black Size: Hbox: 60, Vbox: 40, Dbl: 12 Front Width: ~13 cm Base: 4	91044	07094
Biocover Black M	Colour: Black Size: Hbox: 64, Vbox: 42, Dbl: 13 Front Width: ~14.2 cm Base: 4	91045	07095
Biocover Black L	Colour: Black Size: Hbox: 67, Vbox: 45, Dbl: 15 Front Width: ~14.8 cm Base: 4	91046	07096
Biocover Dark Bronze S	Colour: Dark Bronze Size: Hbox: 60, Vbox: 40, Dbl: 12 Front Width: ~13 cm Base: 4	91067	07097
Biocover Dark Bronze M	Colour: Dark Bronze Size: Hbox: 64, Vbox: 42, Dbl: 13 Front Width: ~14.2 cm Base: 4	91068	07098
Biocover Dark Bronze L	Colour: Dark Bronze Size: Hbox: 67, Vbox: 45, Dbl: 15 Front Width: ~14.8 cm Base: 4	91069	07099



Multilens is a specialist optical company unique in the global marketplace. Our business concept involves the special grinding of unusual lenses. This means that we deliver custom made optical solutions to people with sight issues.

Our core specialities are the eye, vision and visual function. Our attitude is that no problem is too difficult to solve. Our objective is to play a vital role in eye care.

That is why we work with opticians, orthoptists and optometrists, offering the best optical solutions to people with sight problems. We will never stop listening and learning. Last but not least, we are happy to share our knowledge.

Multilens AB
Skinnefjällsvägen 1
435 25 Mölnlycke
031 – 88 75 50
info@multilens.se
www.multilens.com