



Individual Lens Range

wellnessPROTECT®
system INDIVIDUAL

Product information
Product range

WIDE-RANGING CHOICE FOR YOUR CUSTOMERS

Discover the eyewear portfolio from Eschenbach Optik, which offers customers the optimal solution on every occasion. Our range of products extends from monofocal and multifocal lenses with exceptional correction options through to cut-off filter lenses in various powers and includes reading glasses with individually matched high additions.

A GLOBAL BRAND WITH TRADITION

Since its establishment in 1913, Eschenbach Optik has been combining traditional business values with modern innovative flair. Within a century Eschenbach Optik has become one of the leading suppliers of optical products - both in Germany and abroad. The product range extends from eyewear frames and sunglasses, to binoculars and right through to magnifiers, telescopic glasses and special vision aids.

With subsidiaries in twelve countries, more than 30 international trade partners and over 630 employees throughout the world, today Eschenbach Optik has a global presence.

VISION TECHNOLOGY PRODUCTS

The eyewear portfolio is part of our extensive range of magnifying low vision aids, the Vision Technology Products. Our name is renowned globally for innovative research and development, state of the art technologies and precision manufacturing techniques – and quality that meets only the most exacting demands in optical performance, reliability and intuitive handling.

GRINDING SERVICE

On request, the Eschenbach Optik grinding service will also grind and fit lenses from the following ranges: wellnessPROTECT, system Individual, higher additions and telescopic systems. Please use the corresponding order forms for this (see ordering information on Pages 31 and 3).

MADE IN GERMANY

From the initial concept right through to the finished product – Eschenbach Optik remains loyal to its home base in Nuremberg and thus regards itself as an effective guarantee of exceptional brand quality “MADE IN GERMANY”.



wellnessPROTECT®

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system INDIVIDUAL

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wellnessPROTECT®

The protection factor for the eyes

wellnessPROTECT has been developed to meet the increased demand for the ultimate all-round protection of the eyes against the sun's rays which are becoming increasingly stronger.



with wellnessPROTECT



without wellnessPROTECT

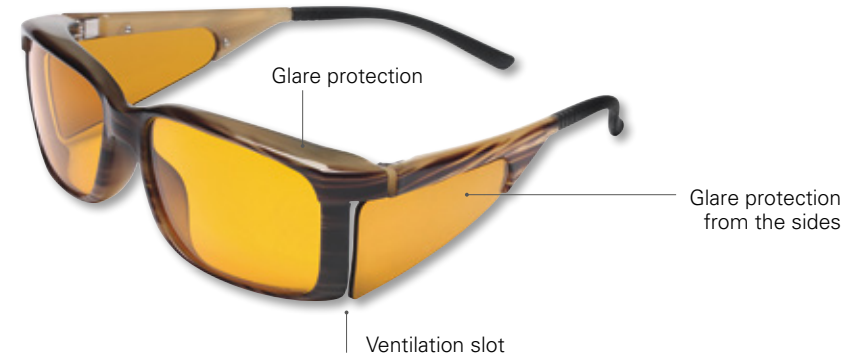
wellnessPROTECT is an essential accessory for health-conscious people who enjoy being outdoors and is particularly suitable

- for eyes which are sensitive to glare
- for retinal disease
- following cataract operations

wellnessPROTECT frames offer a variety of features which protect against glare:

- the frame is darkened on the inside
- the top shield on the upper edge of the frame fits closely to the face
- side lenses provide protection against lateral glare and at the same time allow orientation to the side
- side ventilation slots prevent fogging of the lenses

wellnessPROTECT filter lenses have an additional cut-off filter. In addition to UV light, they also absorb shortwave, energy-rich light components. Contrast vision is therefore improved and unpleasant glare is reduced. With **wellnessPROTECT** filter lenses, colour recognition is improved in comparison to conventional cut-off filters.



wellnessPROTECT filter lenses look like normal sunglasses and not like bright, stigmatising cut-off filter lenses. They are available with a variety of tints to suit any light conditions. (The details relating to the filter lenses refer to the tint which is applied to the base filter)

With the **wellnessPROTECT Drive** segment, a filter option is available which links the advantages of **wellnessPROTECT** especially with the demands of driving in traffic.

The **wellnessPROTECT Drive** lenses, which have transmission characteristics that have been adapted to the new standard 12312-1, entirely fulfil the stricter criteria specified with regard to the recognition of traffic signal lights and in particular to the spectral transmission factor.



wP15

wP65

wP85

wP50/15

wP75P

wP active



wP15 Drive

wP65 Drive

wP85 Drive

wP50-15 Drive

wP75P Drive

wP15 plano

Recommended use:

- Indoors in the case of a high level of glare sensitivity
- Outdoors when the sky is cloudy
- Outdoors in the case of a low level of glare sensitivity

Features:

- Cut-off filter with 15% tint overlay
- Blue light absorption approx. 98%
- Light transmission level approx. 50%
- Filter category 1
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 5



wP65 plano

Recommended use:

- Indoors in the case of a high level of glare sensitivity
- Outdoors in cloudy to clear weather
- Outdoors in the case of a medium level of glare sensitivity

Features:

- Cut-off filter with 65% tint overlay
- Blue light absorption approx. 96%
- Light transmission level approx. 35%
- Filter category 2
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 5



wP15 Drive plano

Recommended use:

- Indoors in the case of a high level of glare sensitivity
- Outdoors when the sky is cloudy
- Outdoors in the case of a low level of glare sensitivity
- Suitable for use in road traffic

Features:

- Cut-off filter with 15% tint overlay
- Blue light absorption approx. 95%
- Light transmission level approx. 50%
- Filter category 1
- Not suitable for night driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 5



wP65 Drive plano

Recommended use:

- Indoors in the case of a high level of glare sensitivity
- Outdoors when the sky is cloudy
- Outdoors in the case of a medium level of glare sensitivity
- Suitable for use in road traffic

Features:

- Cut-off filter with 65% tint overlay
- Blue light absorption approx. 96%
- Light transmission level approx. 35%
- Filter category 2
- Not suitable for night driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 5



wP85 plano

Recommended use:

- Outdoors in sunshine
- Outdoors in the case of a very high level of glare sensitivity

Features:

- Cut-off filter with 85% tint overlay
- Blue light absorption approx. 99%
- Light transmission level approx. 15%
- Filter category 3
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 5



wP85 Drive plano

Recommended use:

- Outdoors in sunshine
- Outdoors in the case of a very high level of glare sensitivity
- Suitable for use in road traffic

Features:

- Cut-off filter with 85% tint overlay
- Blue light absorption approx. 98%
- Light transmission level approx. 15%
- Filter category 3
- Not suitable for night driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 5



Not suitable for driving in accordance with DIN EN ISO 12312-1

Not suitable for driving at night in accordance with DIN EN ISO 12312-1

wP50-15 plano

Recommended use:

- Indoors in the case of a medium to high level of glare sensitivity.
- Outdoors in cloudy to clear weather
- Outdoors in the case of a low to medium level of glare sensitivity
- ideal for reading indoors and outdoors

Features:

- Cut-off filter with graded 50% - 15% tint overlay
- Blue light absorption approx. 98%
- Light transmission level approx. 35%
- Filter category 2
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 5



wP50-15 Drive plano

Recommended use:

- Indoors in the case of a high level of glare sensitivity
- Outdoors when the sky is cloudy
- Outdoors in the case of a low level of glare sensitivity
- Suitable for use in road traffic

Features:

- Cut-off filter with graded 50%-15% tint overlay
- Blue light absorption approx. 97%
- Light transmission level approx. 30%
- Filter category 2
- Not suitable for night driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 5



Not suitable for driving in accordance with DIN EN ISO 12312-1

Not suitable for driving at night in accordance with DIN EN ISO 12312-1

wP75P plano**Recommended use:**

- Indoors in the case of a very high level of glare sensitivity
- Outdoors in bright weather, sunshine, on the water, in snow
- Outdoors in the case of a high to very high level of glare sensitivity.



- Polarizing lenses are not suitable for grooving.

Features:

- Cut-off filter with polarised 75% tint overlay
- Blue light absorption approx. 96%
- Light transmission level approx. 20%
- Filter category 2
- Not suitable for night driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 6

wP75P Drive plano**Recommended use:**

- Indoors in the case of a very high level of glare sensitivity
- Outdoors in bright weather, sunshine, on the water, in snow
- Outdoors in the case of a high to very high level of glare sensitivity.
- Suitable for use in road traffic



- Polarizing lenses are not suitable for grooving.



Not suitable for driving in accordance with DIN EN ISO 12312-1



Not suitable for driving at night in accordance with DIN EN ISO 12312-1

wP active plano**Recommended use:**

- Due to the photochromic characteristics, ideal for indoors and outdoors.
- In the case of a medium to high level of glare sensitivity

**Features:**

- Photochromic lens with cut-off filter
- Blue light absorption approx. 97% / 99% *
- Light transmission level approx. 55% / 15% *
- Filter category 1 / 3*
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 5*

*lightened / darkened



Not suitable for driving in accordance with DIN EN ISO 12312-1

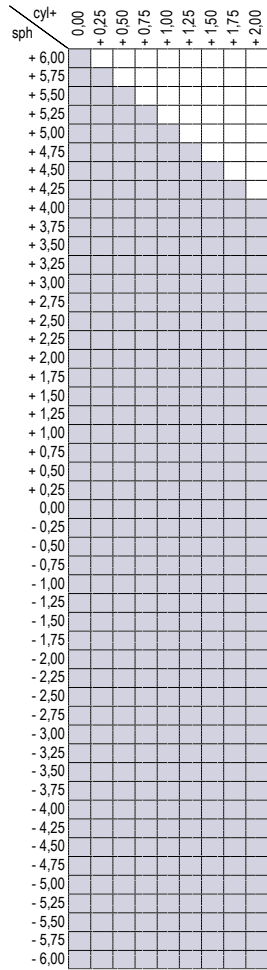


Not suitable for driving at night in accordance with DIN EN ISO 12312-1

wP spheric Standard

Supply range:

■ Ø 65, 70



Features:

- Spheric monofocal standard lens
- Material CR39
- Index 1.5
- Abbe number 58

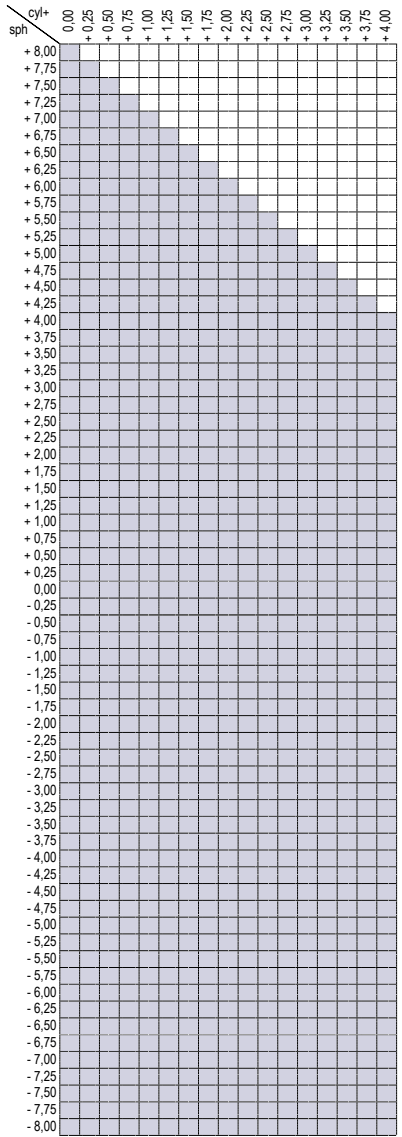
Information on the filter characteristics on pages 6ff.

- Further information on ordering lenses can be found on page 31.
- If the value of a lens is outside the supply range, both lenses will be manufactured as wP spheric.

wP spheric

Supply range:

■ Ø 55, 60, 65, 70, 75, 80



Features:

- Spheric monofocal prescription lens
- Material CR39
- Index 1.5
- Abbe number 58

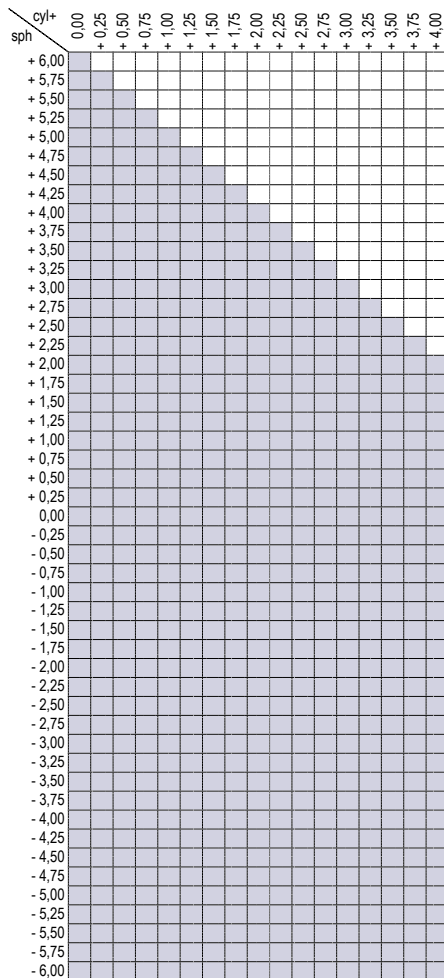
Information on the filter characteristics on pages 6ff.

- Further information on ordering lenses can be found on page 31.

wP75P spheric

Supply range:

■ Ø 60, 65, 70

**Features:**

- Spheric monofocal prescription lens
- Polarised
- Material CR39
- Index 1.5
- Abbe number 58

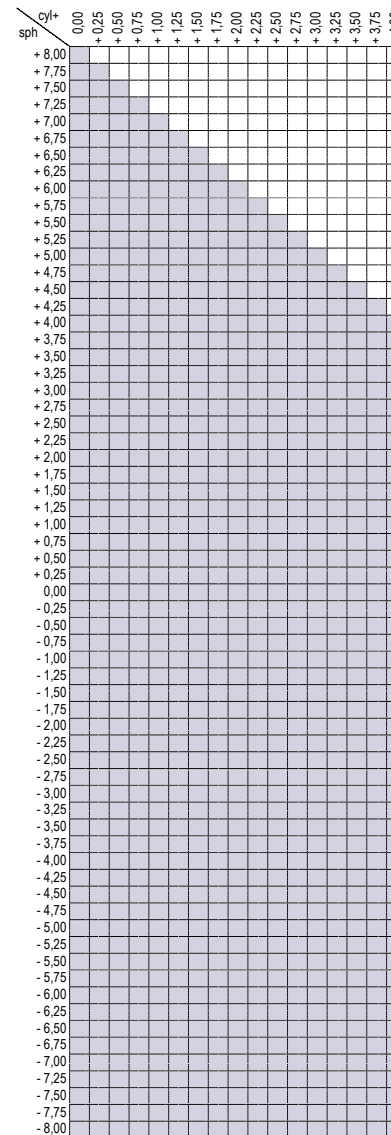
Information on the filter characteristics on page 10.

- Polarised lenses are not suitable for grooving.
- Further information on ordering lenses can be found on page 31.

wP active spheric

Supply range:

■ Ø 55, 60, 65, 70, 75, 80

**Features:**

- Spheric monofocal prescription lens
- Photochromic
- Material CR39
- Index 1.5
- Abbe number 58

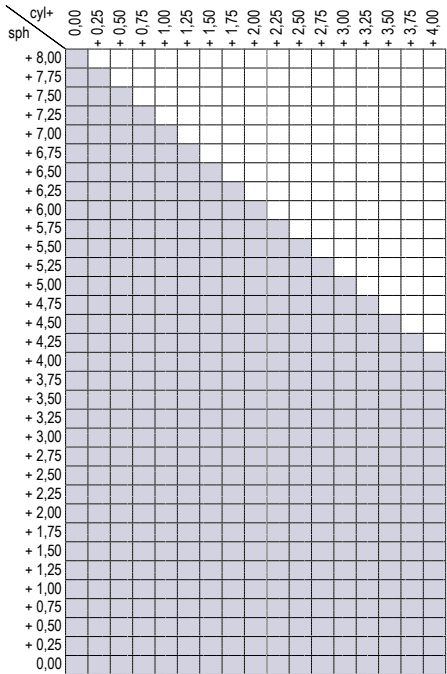
Information on the filter characteristics on page 11.

- Further information on lens ordering can be found on page 31.

wP aspheric

Supply range:

■ Ø 65, 70, 75



Features:

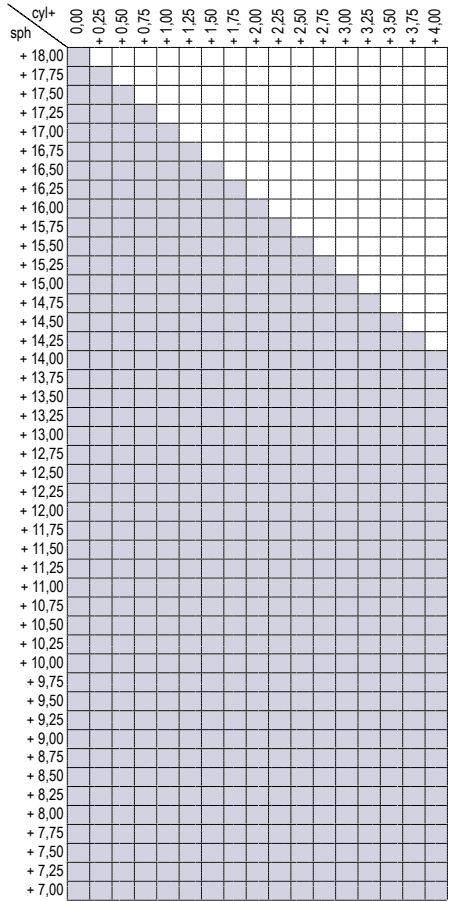
- Aspheric monofocal prescription lens
- Material CR39
- Index 1.5
- Abbe number 58

Information on the filter characteristics on pages 6ff.

wP lenticular

Supply range:

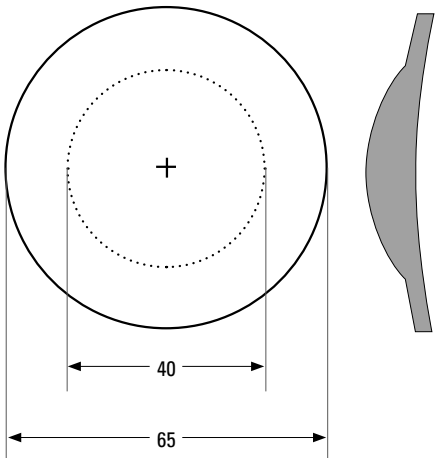
■ Ø 65



Features:

- Spheric lenticular lens
- Optical zone: Ø 40 mm
- Flat carrier lens: Ø 65 mm
- Material CR39
- Index 1.5
- Abbe number 58

Information on the filter characteristics on page 6ff.



wP bifocal C28

Supply range:

■ Ø 65/70, 70/75

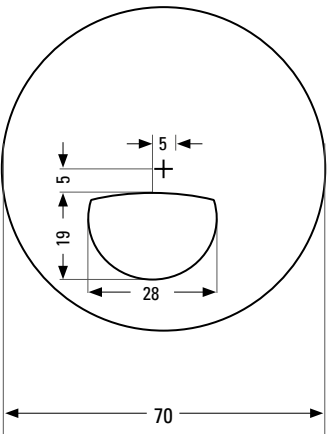
Addition:

+0,75 - +3,50

Features:

- Spheric bifocal lens
- Predecentration +2.5 mm
- Material CR39
- Index 1.5
- Abbe number: 58

Information on the filter characteristics on pages 6ff.



wP bifocal S35

Supply range:

■ Ø 65/70, 70/75

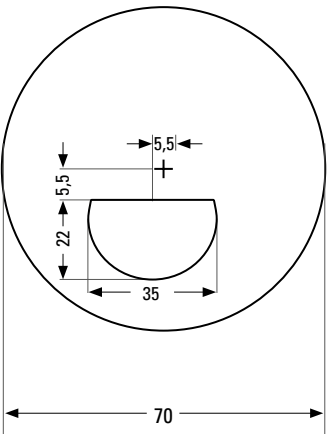
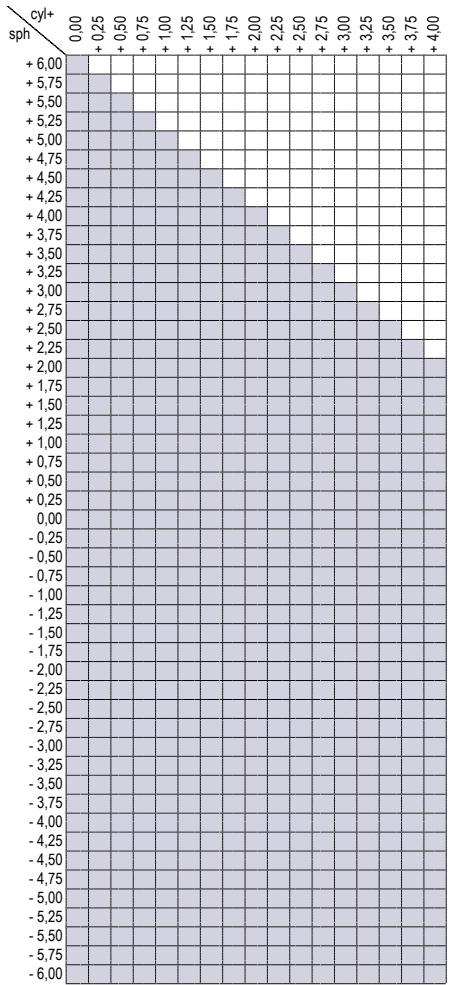
Addition:

+1,00 - +3,50

Features:

- Spheric bifocal lens
- Predecentration 2.5 mm
- Material CR39
- Index 1.5
- Abbe number: 58

Information on the filter characteristics on pages 6ff.



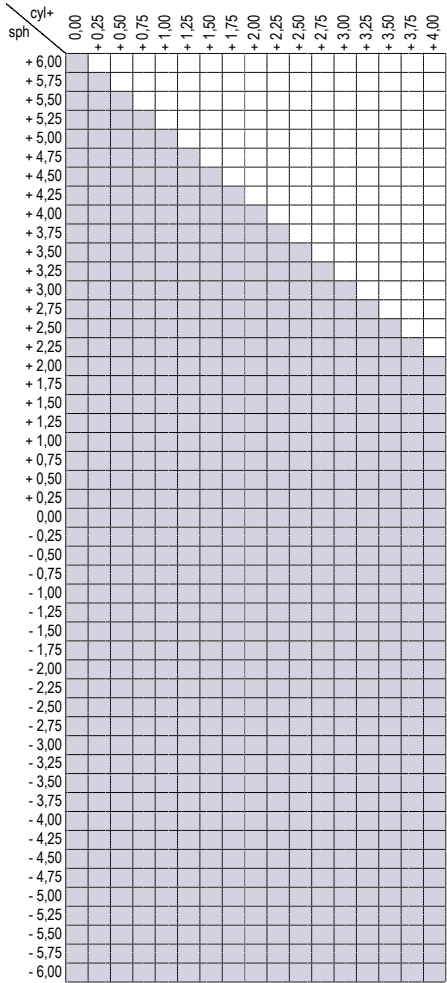
wP bifocal S45

Supply range:

■ Ø 65/70, 70/75

Addition:

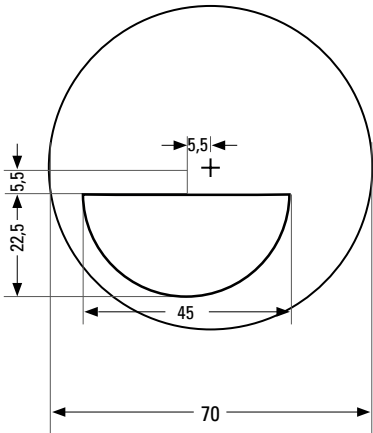
+1,00 - +3,50



Features:

- Spheric bifocal lens with extra large near vision section
- Predecentration 2.5 mm (on request also available without predecentration)
- Material CR39
- Index 1.5
- Abbe number: 58

Information on the filter characteristics on pages 6ff.



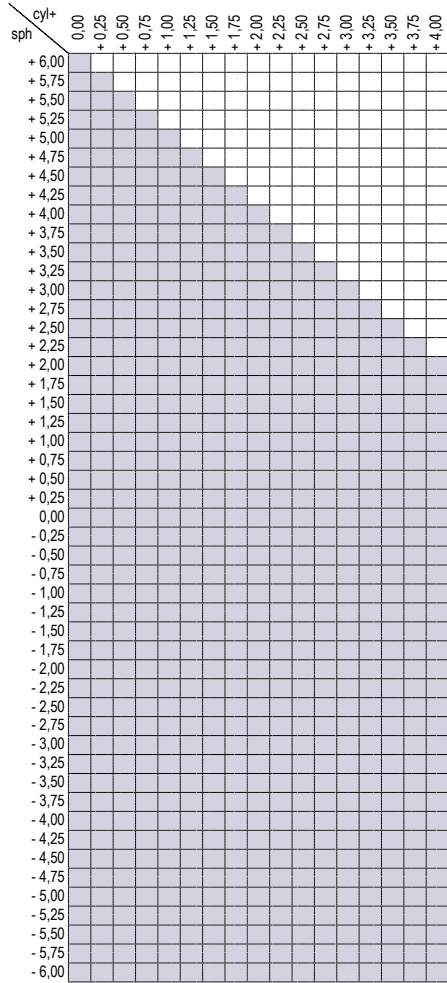
wP75P bifocal S28

Supply range:

■ Ø 65/70, 70/75

Addition:

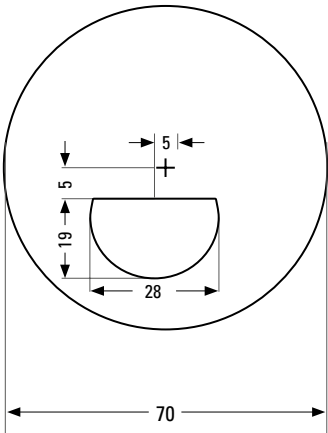
+1,00 - +3,50



Features:

- Spheric bifocal lens
- Polarised
- Predecentration 2.5 mm
- Material CR39
- Index 1.5
- Abbe number: 58

Information on the filter characteristics on pages 6ff.



• Further information on lens ordering can be found on page 31.

• Polarised lenses are not suitable for grooving.
• Further information on lens ordering can be found on page 31.

wP progressiv Standard

Supply range:

■ Ø 60, 65, 70, 75, 80

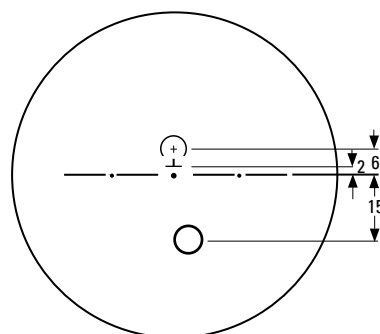
Addition:

+0,75 - +3,50

Features:

- Standard progressive lens
- excellent familiarisation for new users or those switching over
- Large fields of vision for all distances
- Corridor 15 mm
- Fitting height: 20 mm
- Material CR39
- Index 1.5
- Abbe number: 58

Information on the filter characteristics on pages 6ff.

**wP progressiv Premium**

Supply range:

■ Ø 60, 65, 70, 75, 80

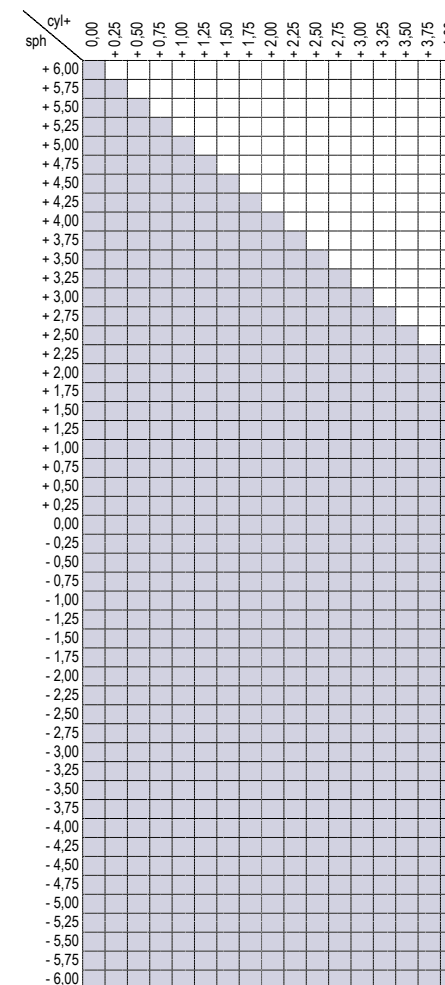
Addition:

+1,00 - +3,50

Features:

- Premium progressive lens
- Universal progressive lens for all vision requirements
- Wider intermediate section
- Large fields of vision for all prescription values
- Corridor 13 mm
- Fitting height: 18 mm
- Material CR39
- Index 1.5
- Abbe number: 58

Information on the filter characteristics on pages 6ff.



wP75P progressiv

Supply range:

■ Ø 65/70, 70/75

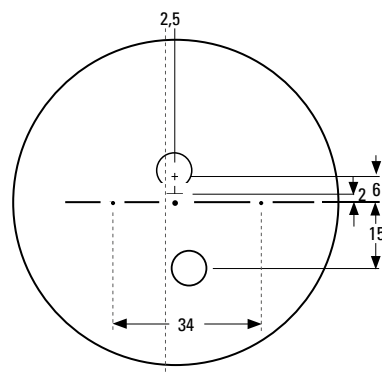
Addition:

+1,00 - +3,00

Features:

- Standard progressive lens
- excellent familiarisation for new users or those switching over
- Large fields of vision for all distances
- Polarised
- Predecentration 2.5 mm
- Corridor 15 mm
- Fitting height: 20 mm
- Material CR39
- Index 1.5
- Abbe number: 58

Information on the filter characteristics on page 10.



- Polarised lenses are not suitable for grooving.
- Further information on ordering lenses can be found on page 31.

wP active progressiv

Supply range:

■ Ø 60, 65, 70, 75, 80

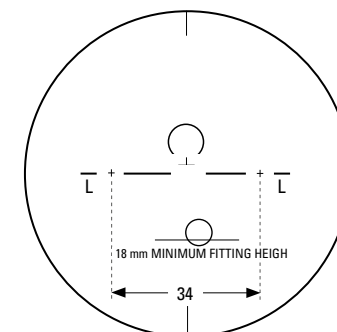
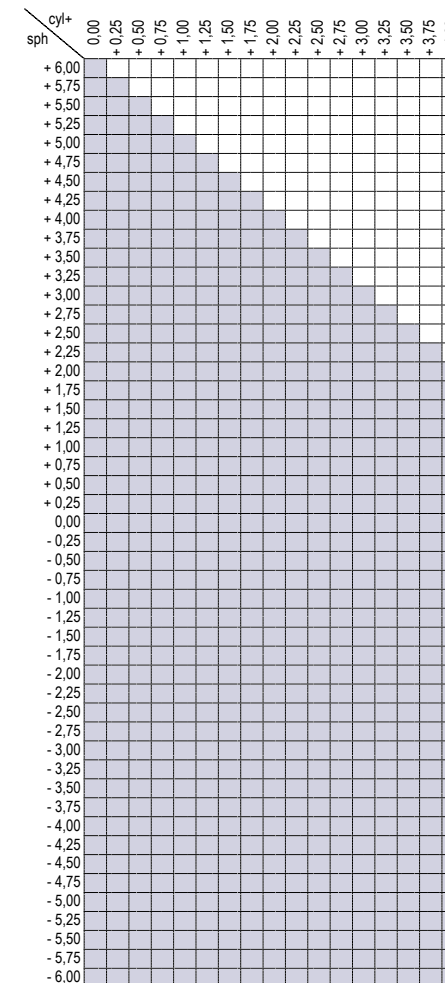
Addition:

+1,00 - +3,00

Features:

- Standard progressive lens
- Particularly large, distortion-free distance range
- Functional transition area
- Stable near vision range
- Photochromic
- Corridor 14 mm
- Fitting height: 18 mm
- Material CR39
- Index 1.5
- Abbe number: 58

Information on the filter characteristics on page 11.



- Further information on ordering lenses can be found on page 31.

wellnessPROTECT®

Trial lens test kits

For easy selection of the correct filter during refraction.

Trial lens test kit wellnessPROTECT®

Contains:

- 1 confirmation panel in each case in wP15, wP65, wP85, wP50-15, wP75P



Item No. 1663951

Trial lens test kit wellnessPROTECT® Drive

Contains:

- 1 confirmation panel in each case in wP15 Drive, wP65 Drive, wP85 Drive, wP50-15 Drive, wP75P Drive



Item No. 1664951

Please order separately:
Test box for storing the Trial lens test kits.
The box with foam insert contains compartments for 13 test Trial lens holders.
(not illustrated)

Item No. 1615953

Small frame, unisex

Item Numbers:

wellnessPROTECT®	Item No.
Frame, unglazed	16635416
Frame with filter wP15	1663115
Frame with filter wP65	1663165
Frame with filter wP85	1663185
Frame with filter wP50-15	166315015
Frame with filter wP75P	1663175P

Features:

- Size: 54-16
- Lens height: 34 mm
- Temple length: 135 mm, can be shortened
- Frame colour: havanna, gloss



wellnessPROTECT® Drive

wellnessPROTECT® Drive	Item No.
Frame, unglazed	16645416
Frame with filter wP15 Drive	1664115
Frame with filter wP65 Drive	1664165
Frame with filter wP85 Drive	1664185
Frame with filter wP50-15 Drive	166415015
Frame with filter wP75P Drive	1664175P

Large frame, unisex

Item Numbers:

wellnessPROTECT®	Item No.
Frame, unglazed	16635716
Frame with filter wP15	1663215
Frame with filter wP65	1663265
Frame with filter wP85	1663285
Frame with filter wP50-15	166325015
Frame with filter wP75P	1663275P

Features:

- Size: 57-16
- Lens height: 35 mm
- Temple length: 135 mm, can be shortened
- Frame colour: havanna, gloss



wellnessPROTECT® Drive

wellnessPROTECT® Drive	Item No.
Frame, unglazed	16645716
Frame with filter wP15 Drive	1664215
Frame with filter wP65 Drive	1664265
Frame with filter wP85 Drive	1664285
Frame with filter wP50-15 Drive	166425015
Frame with filter wP75P Drive	1664275P

Ladies' frame**Item Numbers:**

wellnessPROTECT®	Item No.
Frame, unglazed	16635615
Frame with filter wP15	1663415
Frame with filter wP65	1663465
Frame with filter wP85	1663485
Frame with filter wP50-15	166345015
Frame with filter wP75P	1663475P
Frame with filter wP active	166341580

Features*:

- Size: wP: 56-15 / wP Drive: 54-15
- Lens height: 40 mm
- Temple length: 130 mm, can be shortened
- Frame colour: wP: black, gloss / wP Drive: dark brown, gloss

**wellnessPROTECT® Drive****Item No.**

Frame, unglazed	16645415
Frame with filter wP15 Drive	1664415
Frame with filter wP65 Drive	1664465
Frame with filter wP85 Drive	1664485
Frame with filter wP50-15 Drive	166445015
Frame with filter wP75P Drive	1664475P

Men's frame**Item Numbers:**

wellnessPROTECT®	Item No.
Frame, unglazed	16635816
Frame with filter wP15	1663515
Frame with filter wP65	1663565
Frame with filter wP85	1663585
Frame with filter wP50-15	166355015
Frame with filter wP75P	1663575P
Frame with filter wP active	166351580

Features*:

- Size: 58-16
- Lens height: 37 mm
- Temple length: 130 mm, can be shortened
- Frame colour: black, gloss

**wellnessPROTECT® Drive****Item No.**

Frame, unglazed	16645816
Frame with filter wP15 Drive	1664515
Frame with filter wP15 Drive	1664565
Frame with filter wP85 Drive	1664585
Frame with filter wP50-15 Drive	166455015
Frame with filter wP75P Drive	1664575P

*Models may be subject to change in the case of both frames for the duration of the catalogue.

XL Eyewear small, unisex**Item Numbers:**

wellnessPROTECT®	Item No.
Frame with filter wP15	1663815
Frame with filter wP65	1663865
Frame with filter wP85	1663885
Frame with filter wP50-15	166385015
Frame with filter wP75P	1663875P
Frame with filter wP active	166381580

Features:

- For wearing over your own glasses
- Size: 61-12
- Temple length: 145 mm, cannot be shortened
- Frame colour: havanna, matt

**wellnessPROTECT® Drive****Item No.**

Frame with filter wP15 Drive	1664815
Frame with filter wP65 Drive	1664865
Frame with filter wP85 Drive	1664885
Frame with filter wP50-15 Drive	166485015
Frame with filter wP75P Drive	1664875P

XL Eyewear, large, unisex**Item Numbers:**

wellnessPROTECT®	Item No.
Frame with filter wP15	1663915
Frame with filter wP65	1663965
Frame with filter wP85	1663985
Frame with filter wP50-15	166395015
Frame with filter wP75P	1663975P
Frame with filter wP active	166391580

Features:

- For wearing over your own glasses
- Size: 65-12
- Temple length: 145 mm, cannot be shortened
- Frame colour: havanna, matt

**wellnessPROTECT® Drive****Item No.**

Frame with filter wP15 Drive	1664915
Frame with filter wP65 Drive	1664965
Frame with filter wP85 Drive	1664985
Frame with filter wP50-15 Drive	166495015
Frame with filter wP75P Drive	1664975P

wellnessPROTECT® Clip-ons wellnessPROTECT® Drive**Item Numbers:**

wellnessPROTECT®	Item No.
Filter wP15	1663315
Filter wP65	1663365
Filter wP85	1663385
Frame wP50-15	166335015

Features:

- Size: 60-11
- Lens material: CR39
- Lenses have screw attachment
- Can be detached for subsequent adjustment
- Clip colour: black, matt

wellnessPROTECT® Drive

wellnessPROTECT® Drive	Item No.
Filter wP15 Drive	1664315
Filter wP65 Drive	1664365
Filter wP85 Drive	1664385
Frame wP50-15 Drive	166435015



wellnessPROTECT®

Ordering information

The wellnessPROTECT order form can be obtained from our sales department. On request, the Eschenbach grinding service will fit the lenses into the selected frame. Please state this on the wellnessPROTECT form below.

Order Form wellnessPROTECT
Fax order number: +49 911 3600-370

ESCHENBACH
Eschenbach Optik GmbH
Schöppenhauer Str. 10
90409 Nürnberg

Company stamp: _____
Order number in the Wellness Eschenbach: _____
Date: _____
Consignment: _____
Customer number: _____
Name of dispenser: _____
Extension (in the event of any queries): _____

Refraction

	sph	cyl	axis	addition	PD	BI	comment
right							
left							

Specification please indicate the filter and lens type required by placing a cross in the relevant boxes)

Filter:
☐ wellnessPROTECT 15 ☐ wellnessPROTECT 65 ☐ wellnessPROTECT 85
☐ wellnessPROTECT 55-15 ☐ wellnessPROTECT 75 polarized ☐ wellnessPROTECT active

antireflection coating:
☐ hard super-reflecting coating
☐ only hard-coating

Monofocal lenses (CR39):

power:	strongest principal meridian:		diameter:	
	-	+		
spherical				
toric				
±0	±0/+2	-6	+6	70
+8	+8/+4	-8	+8	55 60 65 70 75 80
0 - +8	0 - +8/+4	0	+8	65 70 75
+7 - +18	+7/+4 - +18/+4	+7	+18	65 70
spherical single vision lens, polarized ¹⁾	+6	+6/+4	-6	+6
spherical single vision lens, photochromic ²⁾	+6	+6/+4	-6	+6

Bifocal lenses (CR39):

power:	addition:		strongest principal meridian:		diameter:	
	-	+	-	+		
spherical						
toric						
+6	+6/+4	0.75-3.50	-6	+6	65/70	70/75
+6	+6/+4	1.00-3.00	-6	+6	65/70	70/75
+6	+6/+4	1.00-3.00	-6	+6	65/70	70/75

Progressive lenses (CR39):

power:	addition:		strongest principal meridian:		diameter:	
	-	+	-	+		
spherical						
toric						
+6	+6/+4	0.75-3.50	-6	+6		80 ⁴⁾
+6	+6/+4	1.00-3.50	-6	+6		80 ⁴⁾
+6	+6/+4	1.00-3.00	-6	+6	55/60	70/75
+6	+6/+4	1.00-3.00	-6	+6		80 ⁴⁾

Frames:

	size:	temple length:	colour:	comments on processing:
☐ 166354716, unisex frame (small)	54-16	135 mm, can be shortened	Havana	frames for glazing do not heat
☐ 16635716, unisex frame (large)	57-16	135 mm, can be shortened	Havana	
☐ 16635815, ladies' frame	56-15	130 mm, can be shortened	black	
☐ 16635816, men's frame ⁵⁾	58-16	130 mm, can be shortened	black	
☐ 166350, set of lens formers				

Grinding Service:
☐ I would like to use the Eschenbach grinding service and would like the wellnessPROTECT lenses ordered to be ground in the frame indicated above. (in this case, please state PD)

1) not combinable with the filters wP 75 polarized or wP active.
2) Only available in combination with filter wP 75 polarized.
3) Only available in combination with filter wP active.
4) Smaller diameters up to Ø 50 at no additional cost.
5) Please state the required size of the near vision segment in the comments field.
6) Frame not suitable for glazing with polarized progressive lenses of powers higher + 3.0 dioptries.
Lenses with individual prescription powers cannot be exchanged.

system INDIVIDUAL

Vision aids are individually fitted

With Eschenbach system Individual, individual refraction values are taken into account when the vision aid is fitted, together with the required cut-off filters or tints.

system INDIVIDUAL

Cut-off filters

Cut-off filters work when there is a steep transition between absorption and transmission in a narrow wavelength range. This transition is known as a cut-off.

The energy-rich UV light and components of the short-wave blue light are absorbed up to this cut-off. Depending on the position of the cut-off, other components of the visible light are also absorbed. The description of a cut-off filter refers to the wavelength where the cut-off is located.

Through absorption of the harmful UV light and the HEV light, cut-off filters reduce glare and increase contrast. For this reason, cut-off filters are particularly recommended in the case of increased glare sensitivity and reduced contrast sensitivity, e.g. for conditions such as cataract, retinitis pigmentosa, macular degeneration, albinism, glaucoma, diabetes and achromatopsia.



Lens 450 nm



Lens 511 nm



Lens 527 nm



Lens 550 nm

Polarized cut-off filters

The additional polarisation of these cut-off filters greatly reduces reflection and this increases contrast. Polarized cut-off filters are ideal for people who are particularly sensitive to glare.

It is not possible to give a general recommendation on the use of specific cut-off filters for specific eye conditions. Instead, the appropriate cut-off filter must be tested in accordance with individual requirements and worn on a trial basis.

Cut-off filters are only suitable for driving in accordance with DIN EN ISO 12312-1. Cut-off filters conformant to DIN EN ISO 12312-1 are not suitable for driving at night or in twilight conditions.



Lens 450 nm, polarised



Lens 511 nm, polarised



Lens 527 nm, polarised



Lens 550 nm, polarised

SI 450 plano**Features:**

- Cut-off filter, cut-off starts at approx. 450 nm
- Blue light absorption approx. 91%
- Light transmission level approx. 85%
- Filter category 0
- Fully suitable for driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 6

SI 450P plano**Features:**

- Cut-off filter, cut-off starts at approx. 450 nm
- Polarised
- Blue light absorption approx. 95%
- Light transmission level approx. 30%
- Filter category 2
- Not suitable for night driving
- Plano lens
- Material CR39
- Diameter 75 mm
- Curve 6



Not suitable for driving in accordance with DIN EN ISO 12312-1



Not suitable for driving at night in accordance with DIN EN ISO 12312-1

SI 511 plano**Features:**

- Cut-off filter, cut-off starts at approx. 511 nm
- Blue light absorption approx. 98%
- Light transmission level approx. 60%
- Filter category 1
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 6

SI 511P plano**Features:**

- Cut-off filter, cut-off starts at approx. 511 nm
- Polarised
- Blue light absorption approx. 99%
- Light transmission level approx. 15%
- Filter category 3
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 75 mm
- Curve 6



Not suitable for driving in accordance with DIN EN ISO 12312-1



Not suitable for driving at night in accordance with DIN EN ISO 12312-1

SI 527 plano**Features:**

- Cut-off filter, cut-off starts at approx. 527 nm
- Blue light absorption approx. 99.5%
- Light transmission level approx. 43%
- Filter category 1 to 2
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 6

SI 527P plano**Features:**

- Cut-off filter, cut-off starts at approx. 527 nm
- Polarised
- Blue light absorption approx. 99.5%
- Light transmission level approx. 13%
- Filter category 3
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 75 mm
- Curve 6

Not suitable for driving in accordance with DIN EN ISO 12312-1

Not suitable for driving at night in accordance with DIN EN ISO 12312-1

SI 550 plano**Features:**

- Cut-off filter, cut-off starts at approx. 550 nm
- Blue light absorption 99,9%
- Light transmission level approx. 30%
- Filter category 2
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 70 mm
- Curve 6

SI 550P plano**Features:**

- Cut-off filter, cut-off starts at approx. 550 nm
- Polarised
- Blue light absorption approx. 99.9%
- Light transmission level approx. 9%
- Filter category 3
- Not suitable for driving
- Plano lens
- Material CR39
- Diameter 75 mm
- Curve 6

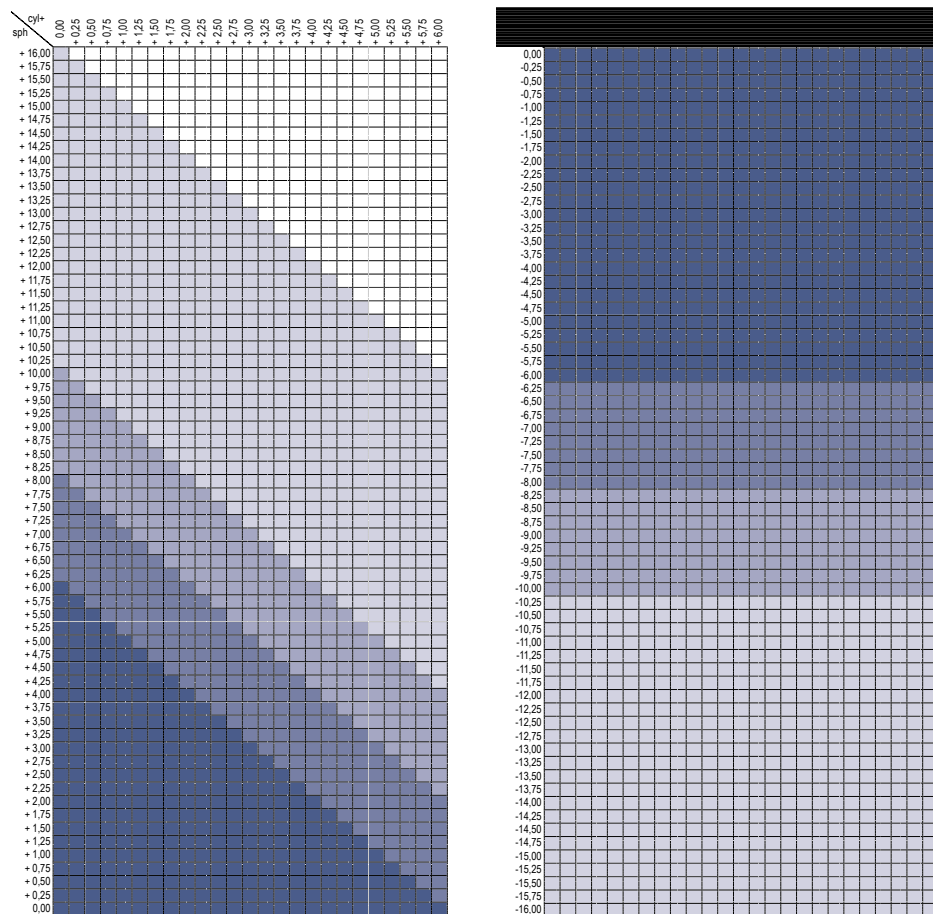
Not suitable for driving in accordance with DIN EN ISO 12312-1

Not suitable for driving at night in accordance with DIN EN ISO 12312-1

SI spheric

Supply range:

■ Ø 55, ■ Ø 60, ■ Ø 65, ■ Ø 70, 75

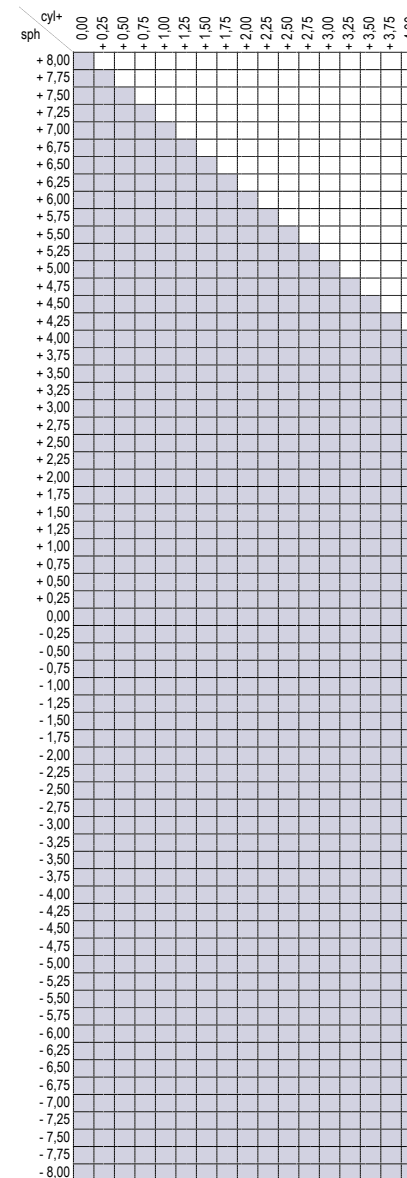
**Features:**

- Spheric single vision prescription lens
- Cut-offs available: 450 nm, 511 nm, 527 nm, 550 nm
- Tints available (from 10% up to max. 85%): brown, grey, green
- Material CR39
- Index 1.5
- Abbe number: 58
- Max. prism: up to 3 cm/m

SI spheric polar

Supply range:

■ Ø 55, 60, 65, 70

**Features:**

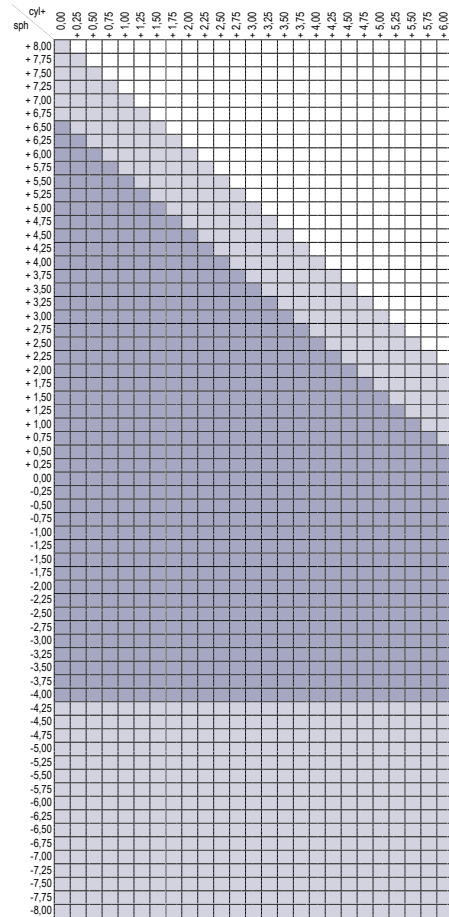
- Spheric monofocal prescription lens
- Polarised
- Cut-offs available:
450 nm, 511 nm, 527 nm, 550 nm
- Material CR39
- Index 1.5
- Abbe number: 58
- Max. prism: up to 3 cm/m

• Further information on lens ordering can be found on page 53.

SI aspheric

Supply range:

■ Ø 55, 60, 65, ■ Ø 70



Features:

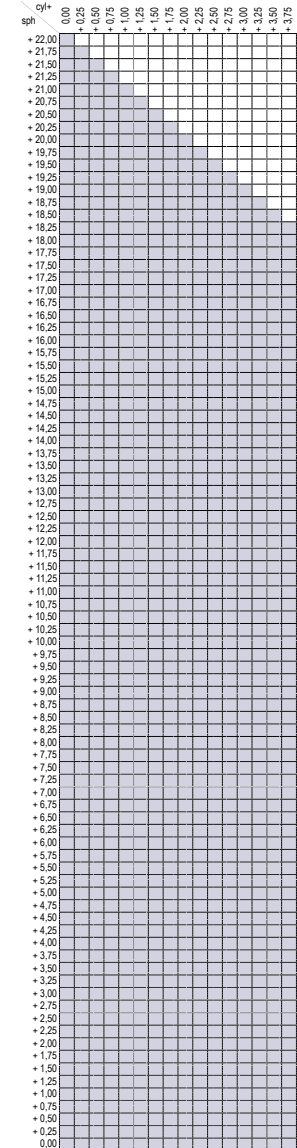
- Aspheric monofocal prescription lens
- Cut-offs available:
450 nm, 511 nm, 527 nm, 550 nm
- Tints available (from 10% up to max. 85%):
Brown, grey, green
- Material CR39
- Index 1.5
- Abbe number: 58
- Max. prism: up to 3 cm/m

• Further information on lens ordering can be found on page 53.

SI lenticular

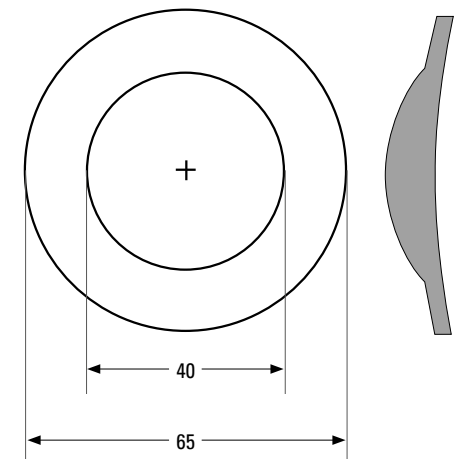
Supply range:

■ Ø 60, 65



Features:

- Spheric lenticular lens
- Optical zone: Ø 40 mm
- Flat lens carrier: Ø 65 mm
- Cut-offs available:
450 nm, 511 nm, 527 nm, 550 nm
- Tints available (from 10% up to max. 85%):
Brown, grey, green
- Material CR39
- Index 1.5
- Abbe number: 58
- Max. prism: up to 3 cm/m

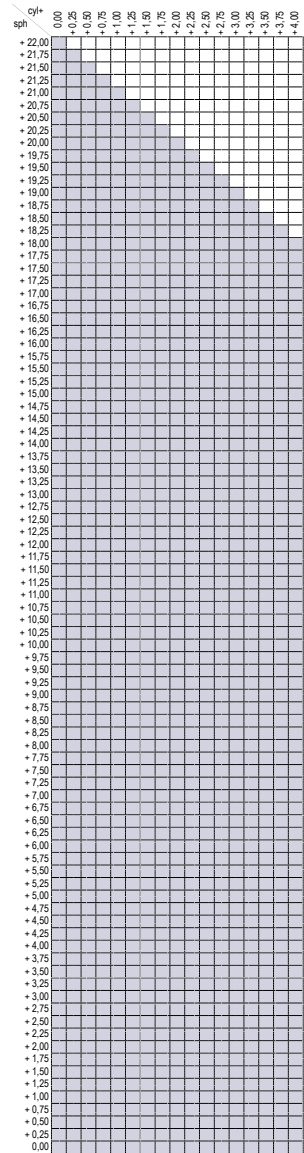


• Further information on lens ordering can be found on page 53.

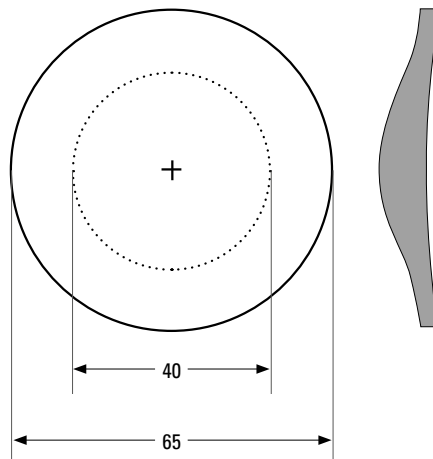
SI softlenti

Supply range:

■ Ø 48, 50, 55, 60, 65, 70

**Features:**

- Aspheric lenticular lens with tapered lens carrier
- Optical zone: Ø 40 mm
- Cut-offs available: 450 nm, 511 nm, 527 nm, 550 nm
- Tints available (from 10% up to max. 85%): Brown, grey, green
- Material CR39
- Index 1.5
- Abbe number: 58
- Max. prism: up to 3 cm/m



• Further information on lens ordering can be found on page 53.

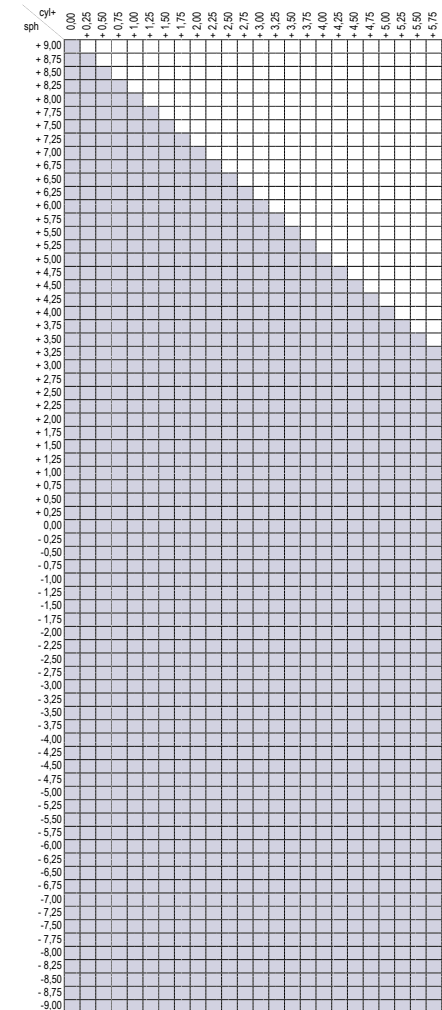
SI bifocal C28

Supply range:

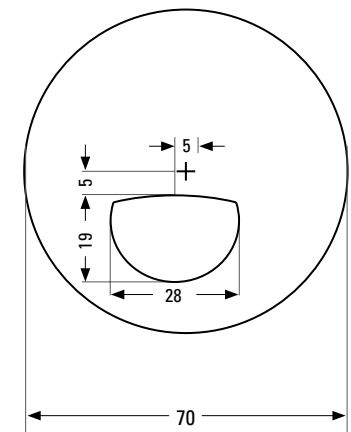
■ Ø 60/65, 65/70, 70/75

Addition:

+0,75 - +3,50

**Features:**

- Spheric bifocal lens
- Predecentered (+2.5 mm)
- Cut-offs available: 450 nm, 511 nm, 527 nm, 550 nm
- Material CR39
- Index 1.5
- Abbe number: 58
- Max. prism: up to 3 cm/m



• Further information on lens ordering can be found on page 53.

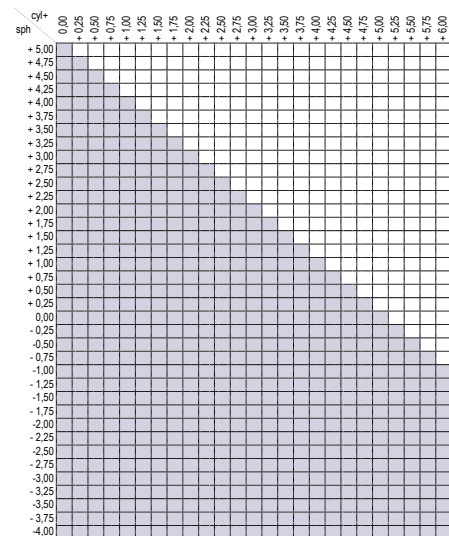
SI bifocal S28 high addition

Supply range:

■ Ø 60/65, 65/70, 70/75

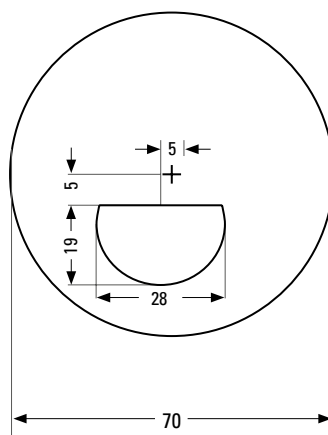
Addition:

+4,00 - +6,00/0,50



Features:

- Spheric bifocal lens with higher addition
- Predecentered (+2.5 mm)
- Cut-offs available:
450 nm, 511 nm, 527 nm, 550 nm
- Tints available (from 10% up to max. 85%):
Brown, grey, green
- Material CR39
- Index 1.5
- Abbe number: 58
- Max. prism: up to 3 cm/m



• Further information on lens ordering can be found on page 53.

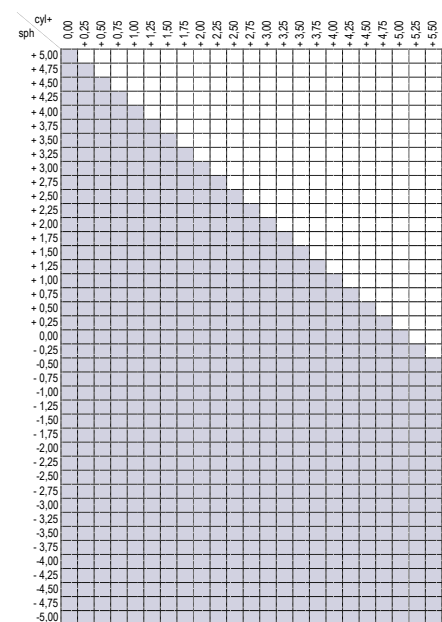
SI bifocal S45

Supply range:

■ Ø 60, 65, 70, 75

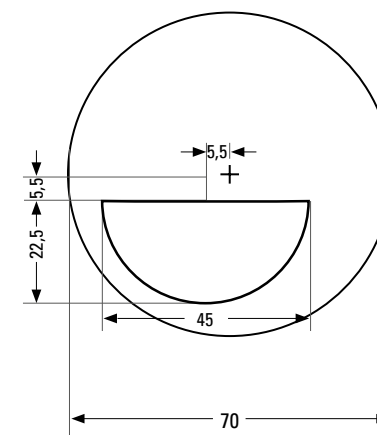
Addition:

+1,00 - +3,00



Features:

- Spheric bifocal lens with extra large near vision section
- Cut-offs available:
450 nm, 511 nm, 527 nm, 550 nm
- Tints available (from 10% up to max. 85%):
Brown, grey, green
- Material CR39
- Index 1.5
- Abbe number: 58
- Max. prism: up to 3 cm/m



• Further information on lens ordering can be found on page 53.

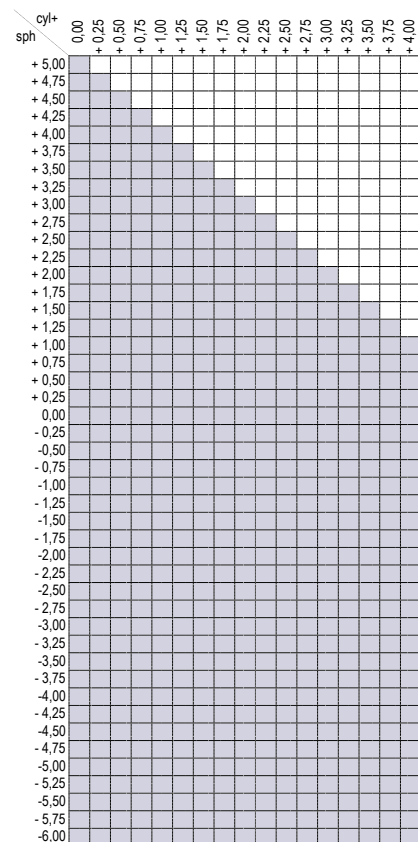
SI progressiv S

Supply range:

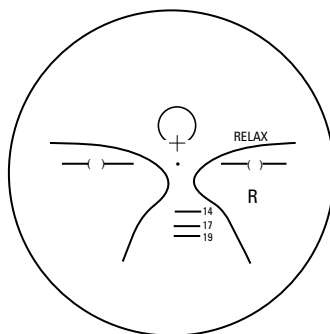
■ Ø 60, 65, 70, 75

Addition:

+0,75 - +3,50

**Features:**

- Standard progressive lens
- High level of tolerance straight away for new users and those switching over
- Large fields of vision for all distances
- Cut-offs available:
450 nm, 511 nm, 527 nm, 550 nm
- Tints available (from 10% up to max. 85%):
Brown, grey, green
- Corridor 15 mm
- Fitting height: 20 mm
- Material CR39
- Index 1.5
- Abbe number: 58



• Further information on lens ordering can be found on page 53.

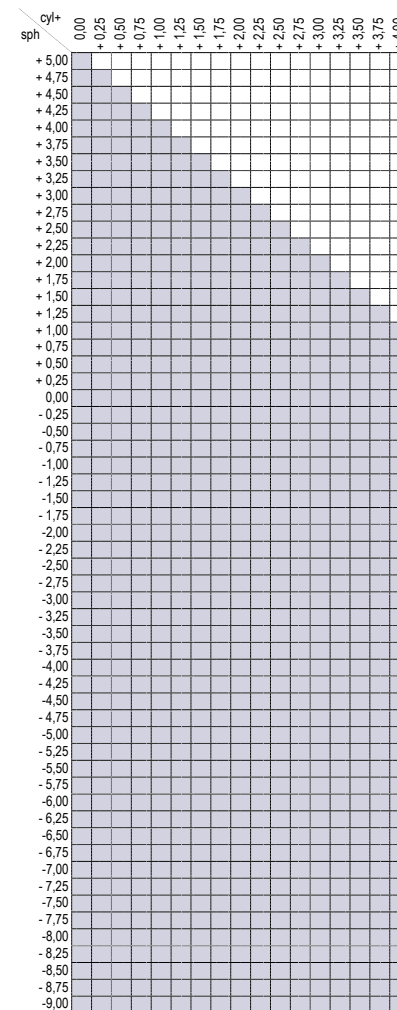
SI progressiv P

Supply range:

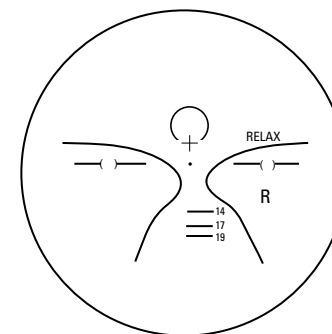
■ Ø 65, 70, 75, 78

Addition:

+1,00 - +3,50

**Features:**

- Premium progressive lens
- Universal progressive lens for all vision requirements
- Wider intermediate section
- Large fields of vision for all prescription values
- Cut-offs available:
450 nm, 511 nm, 527 nm, 550 nm
- Tints available (from 10% up to max. 85%):
Brown, grey, green
- Corridor 13 mm
- Fitting height: 18 mm
- Material CR39
- Index 1.5
- Abbe number: 58



• Further information on lens ordering can be found on page 53.

system INDIVIDUAL

Trial lens test kits

For easy selection of the correct filter during refraction.

Trial lens test kit system INDIVIDUAL

- Non-polarised
- Contents: 1 Confirmation panel in each case in SI 450 nm, SI 511nm SI 527 nm, SI 550 nm



Item No. 1615951

Trial lens test kit system INDIVIDUAL

- Polarised
- Contents: Confirmation panel SI 450P nm, SI 511P nm, SI 527P nm, SI 550P nm



Item No.1615952

Please order separately:
Test box for storing the Trial lens test kits.
The box with foam insert contains compartments for 13 Trial lens holders.
(not illustrated)

Item No. 1615953

XL Eyewear small, unisex

Item Numbers:	
system INDIVIDUAL	Item No.
Frame with filter SI 450	16618450
Frame with filter SI 450P	16618450P
Frame with filter SI 511	16618511
Frame with filter SI 511P	16618511P
Frame with filter SI 527	16618527
Frame with filter SI 527P	16618527P
Frame with filter SI 550	16618550
Frame with filter SI 550P	16618550P

- Features:
- For wearing over your own glasses
 - Size: 61-12
 - Temple length: 145 mm, cannot be shortened
 - Frame colour: havanna, matt
 - Side shields match lens colour



XL Eyewear, large, unisex

Item Numbers:	
system INDIVIDUAL	Item No.
Frame with filter SI 450	16619450
Frame with filter SI 450P	16619450P
Frame with filter SI 511	16619511
Frame with filter SI 511P	16619511P
Frame with filter SI 527	16619527
Frame with filter SI 527P	16619527P
Frame with filter SI 550	16619550
Frame with filter SI 550P	16619550P

- Features:
- For wearing over your own glasses
 - Size: 65-12
 - Temple length: 145 mm, cannot be shortened
 - Frame colour: havanna, matt
 - Side shields match lens colour



Clip-ons

- Features:
- Size: 60-11
 - Lens material: CR39
 - Lenses have screw attachment, can be detached for subsequent adjustment
 - Clip colour: black, matt

Item Numbers:

system INDIVIDUAL	Item No.
Filter SI 450	1662450
Filter SI 450P	1662450P
Filter SI 511	1662511
Filter SI 511P	1662511P
Filter SI 527	1662527
Filter SI 527P	1662527P
Filter SI 550	1662550
Filter SI 550P	1662550P



system INDIVIDUAL

High additions

„High additions are used to significantly reduce the usual reading distance compared to normal near-distance correction and thereby achieve magnification through convergence. Convergence-supporting prisms in the glasses thereby relieve the eyes when reading close up.“

prismatic bino comfort

- Features:
- binocular spectacle magnifiers, half-eye frame, with high addition and convergence-supporting prisms
 - aspheric magnifying lenses, from +10 dpt aspheric softlenti lenses, material: CR39
 - available in 5 powers (see table).
 - metal frame gold, matt, with soft pads and easily adjustable pad arms.
 - size: 41-22-160
 - adjustable temples with spring hinges.
 - supplied in a robust hard shell case.



Item No.	Magnification	Working distance
168014	4 dpt / 1 x	approx. 250 mm
168015	5 dpt / 1.25 x	approx. 200 mm
168016	6 dpt / 1.5 x	approx. 165 mm
168018	8 dpt / 2 x	approx. 125 mm
1680110	10 dpt / 2.5 x	approx. 100 mm

- **Please note:** In the case of distance refraction values greater than ± 1 dpt, we strongly recommend individual fitting as prismatic bino individual.

prismatic bino individual**Features:**

- binocular with high addition and convergence-supporting prisms.
- The individual distance refraction values are taken into account during manufacture.
- aspheric magnifying lenses, from +10 dpt aspheric softlenti lenses, material: CR39
- special finishes available:
 - only hard coating
 - multi-tec (hard coating + multi anti-reflection)
 - super-tec (hard coating + super anti-reflection)
 - cut-off filter (see page 32f)
 - tint (10%-85% brown, grey, green)
 - 4 frame options: 168104122, 16814122, 16833827, 16843627

In order to manufacture an individual specification, we require the following information:

- frame
- distance correction
- distance PD
- addition
- required special finishes

Supply range dpt (strongest main segment)

aspheric up to +8 dpt / cyl. +4 dpt
softlenti about +8 dpt up to +12 dpt / cyl. +4 dpt

- Stronger values on request.

Frame strongest main segment

168104122	up to + 8.00 dpt
168104122	+8.25 up to +12.00 dpt
16814122	up to + 8.00 dpt
16814122	+8.25 up to +12.00 dpt
16833827	up to + 8.00 dpt
16833827	+8.25 up to +12.00 dpt
16843627	up to + 8.00 dpt
16843627	+8.25 up to +12.00 dpt



168104122

Half-eye frame, allergy-free, gun gloss, easily adjustable pad arms, adjustable temples with spring hinges. Dimensions: 41-22



16814122

Half-eye frame, allergy-free, gold matt, easily adjustable pad arms, adjustable temples with spring hinges. Dimensions: 41-22



16833827

Oval titanium frame, allergy-free, silver, easily adjustable pad arms, adjustable temples. Dimensions: 38-27



16843627

Square titanium frame, allergy-free, silver, easily adjustable pad arms, adjustable temples. Dimensions: 36-27

system INDIVIDUAL

Ordering information

The system INDIVIDUAL order form can be obtained from our sales department. On request, the Eschenbach grinding service will fit the lenses into the required frame. The prismatic bino individual half-eye spectacles can also be ready glazed by the Eschenbach grinding service. Please state this on the system Individual order form below.

Order form system INDIVIDUAL

ESCHENBACH
Eschenbach Optik GmbH | Schönbühlstr. 10 | 90470 Nürnberg

company name or address: _____
Order sent to: Eschenbach
Date: _____
Consignment: _____
Customer number: _____
Name of dispenser: _____
Extension (in the event of any queries): _____

Refraction

	PD	sph	cyl	Axis	add	prism / base D	prism / base X	comment
right								
left								

Specification (glasses indicate the filter and lens type required by placing a cross in the relevant boxes)

Monofocal:

☐ plane lens

☐ individual spheric @: _____

☐ individual spheric polar @: _____

☐ individual aspheric @: _____

☐ individual aspheric bitoric @: _____

☐ individual aspheric softlenti @: _____

Progressive:

☐ Premium progressive lens @: _____

☐ Standard progressive lens @: _____

Bifocal:

☐ bifocal standard (C2R) @: _____

☐ bifocal standard (S4S) @: _____

☐ bifocal stand. (S2R) high add. @: _____

Coatings:

☐ multi-tec: multi-anti-reflective hard coating

☐ super-tec: super-anti-reflective hard coating

☐ hard coating only

☐ center thickness reduction

Cut-Off-Filter:

☐ 400 nm ☐ 400 nm, polarized

☐ 450 nm ☐ 450 nm, polarized

☐ 511 nm ☐ 511 nm, polarized

☐ 527 nm ☐ 527 nm, polarized

☐ 550 nm ☐ 550 nm, polarized

Tint:

☐ brown _____ %

☐ grey _____ %

☐ green _____ %

prismatic reading glasses:

☐ prismatic bino individual

Frames for prismatic reading glasses:

☐ Frame gold ☐ Frame oval

☐ Frame gun ☐ Frame angular

Grinding Service:

☐ I am using the Eschenbach grinding service for System Individual and having the lenses ground in the specified/recommended frame.

System Individual orders cannot be exchanged. With the exception of justified complaints within the framework of the legal warranty obligation.

Order Form Grinding Service for Eschenbach telescopic systems Fax order number: +49 (0)911/3600-370

The order form can be downloaded as a PDF at:
www.eschenbach-optik.com

ESCHENBACH

Eschenbach Optik GmbH
Schneibühlstr. 10-12
91050 Euerberg

Company stamp

Order number to be filled in by Eschenbach:

Date:

Consignment:

Customer number:

Name of dispenser:

Extension (in the event of any queries):

Components:

Carrier frame

☐ 1600-4916
☐ 1600-5116
☐ 1600-5216

Galilean systems

1621 1622S 1623

Kapitelion systems

☐ 16731
☐ 16732
☐ 16733

Installation side of the system in the carrier frame:

Right

Left

☐ ☐

Right

Left

☐ ☐

Grinding material incl. carrier lens, =-adapter/convergence adapter and small assembly components from item No. 1627:

required adapter for distance of use:

= ☐

330 mm

☐

250 mm

☐

200 mm

☐

Please order the required reading caps separately

Centering information according to box dimensions (see diagram):

Distance PD (in the case of a binocular spectacle-mounted telescope for near vision, please state near pupillary distance, according to table):

right (P_r) _____ mm left (P_l) _____ mm

Height of the reference points (according to the centre of rotation requirement):

right (H_r) _____ mm left (H_l) _____ mm

Eye-facing correction lens

Position of the eye-facing correction lens to the corneal vertex:

for Galilean systems: approx. 2 mm from the carrier disc

flush with the carrier disc

for Kapitelion systems from carrier disc: _____ mm

Multi AR-coating ☐

Super AR-coating ☐

No eye-facing correction lens is required.

Values of the eye-facing correction lens:

Sphere

Cylinder

Right

Left

☐ ☐

☐ ☐

Distance lens: ☐ ☐

Aspherical ☐ non-Aspherical ☐

In the case of cylinder lenses the horizontal is marked on the side facing the eye.
OK 35, special design, therefore centre thickness is very thin: with +0.01 dpt. approx. 3.5 mm

The charge for grinding telescopic systems includes the following items:

- System carrier

- Case for special vision aids. The spectacle-mounted telescope must be delivered in this case to guarantee optimum protection during transport and subsequent use.

- telescopic system (Galilean/Kapitelion) ¹⁾

- grinding material ¹⁾

- grinding and mounting of carrier disk and telescopic system ¹⁾

Optional, additional positions:

- eye-facing correction lens: eye ± 0.01 dpt (strabismic near segments) incl. grinding to ± 0.22 mm and mounting ¹⁾

- anti-reflection incl. hard coating on eye-facing correction lens ¹⁾

- frosted balance lens (age ± 0.01 dpt, crown glass) to balance weight incl. grinding and mounting ¹⁾

- non-frosted balance lens (OK 35) incl. grinding and mounting ¹⁾

¹⁾ The item is charged per side.

²⁾ This item is not included in the charge if all components required for grinding are ordered via this form.

The respective valid catalogue prices apply.



Art.No
KAT-SYS03



4

026158

734495

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90409 Nuremberg

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E-Mail	mail@eschenbach-optik.com