

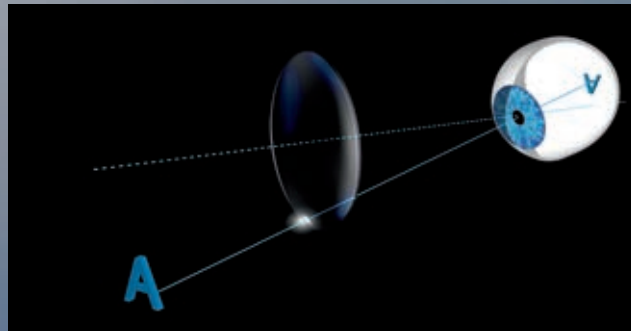
# IMPRESSION® 2.

The future of better vision.

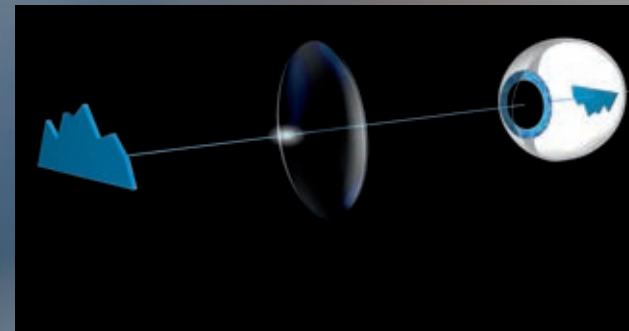
From now, you can surprise your customers with yet another Rodenstock innovation: Impression® 2 lenses with pupil-optimised correction. Thanks to their additional consideration of spherical aberration, these give your customers pin-sharp vision at all distances. They will experience especially better scotopic and mesopic vision.

## Pupil-optimised correction.

This pin-sharp vision at every light condition can be achieved by the pupil-optimised correction. The pupil size depends on the incoming light, the distance of the object and age. Only once the pupil size and dependencies are taken into consideration can the negative influence of spherical aberration on vision be minimised in every single point of the lens and pin-sharp vision be achieved at all distances, even in twilight or dark. With Impression® 2 lenses this can be done now.



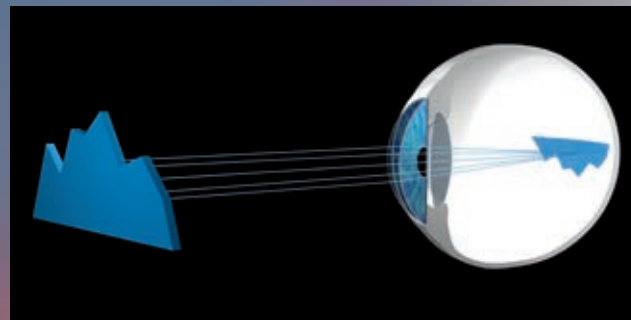
Pin-sharp vision at near distances and small pupils.



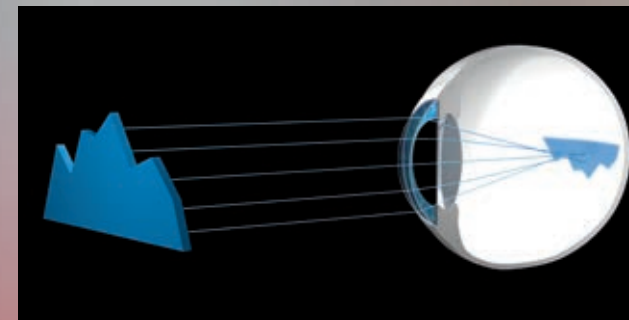
Pin-sharp vision at far distances and large pupils.

## Spherical aberration of the eye.

On small pupils, rays of light are refracted in such a way that they intersect on the retina and create a clear image. On large pupils, however, rays of light that hit the pupil on the edge are refracted differently to those that run through the centre of the pupil. The result is unclear imaging on the retina. Impression® 2 optimizes this result in the calculation.



Small pupil: the rays intersect on the retina – clear imaging.



Large pupil: the peripheral rays intersect in front of the retina – unclear imaging.

## TECHNICAL DETAILS:

	Ranges from	Ranges to	cyl	Addition
Impression® 2 1.74 L/M/XS	-10.00	+8.00	+4.00	0.75-3.50
Impression® 2 1.67 ColorMatic IQ L/M/XS	-10.00	+8.00	+4.00	0.75-3.50
Impression® 2 1.67 L/M/XS	-10.00	+8.00	+4.00	0.75-3.50
Impression® 2 1.60 ColorMatic IQ L/M/XS	-10.00	+8.00	+4.00	0.75-3.50
Impression® 2 1.60 ColorMatic IQ L/M/XS Sun	-10.00	+8.00	+4.00	0.75-3.50
Impression® 2 Polarized 1,6	-6.00	+6.00	+4.00	0.75-3.50
Impression® 2 1.60 L/M/XS	-10.00	+8.00	+4.00	0.75-3.50
Impression® 2 1.54 ColorMatic IQ L/M/XS	-8.00	+6.00	+4.00	0.75-3.50
Impression® 2 1.50 L/M/XS	-8.00	+6.00	+4.00	0.75-3.50

All ranges show at a diameter of max. 70 mm. Deviation causes a change of +/- 2 D.

## LENS DATA:

Impression® 2	Impression® 2 L	Impression® 2 M	Impression® 2 XS
Brand engraving	R	R	R
Functional engraving	∞	∞	∞
Additional engraving	L/2	M/2	X/2
Progression zone length	18 mm	16 mm	14 mm
Glazing height	20 mm	18 mm	16 mm
Total height	28 mm	26 mm	24 mm
Base Curve/Index	under functional engraving nasal		
Addition	under functional engraving temporal		
<b>Necessary order parameters</b>			
Refraction data	far value and addition		
Pupillary Distance	20-40 mm		
Cornea Vertex Distance	5-30 mm		
Face Form Angle	-5° - 15°		
Pantoscopic Tilt	-5° - 20°		
Frame-/Centering data			
<b>Optional order parameters/product data</b>			
Frame-/Centering data	✓	✓	✓
<b>Technical details</b>			
<ul style="list-style-type: none"> <li>• For all lenses with Position of Wear: order values are printed on the envelope</li> <li>• Adaption: straight forward position with a habitual head and body position</li> </ul>			

## MATERIAL DATA:

	Refractive index n <sub>e</sub>	Abbè No., v <sub>e</sub>	Density ρ (g/cm <sup>3</sup> )	100% UV protection up to*	Tints
1.74	1.737	32.5	1.47	400	
1.67 CM IQ	1.668	31.4	1.37	400	Brown, grey 8 - 85%
1.67	1.668	31.4	1.37	400	
1.60 CM IQ	1.597	40.5	1.30	400	Brown, grey, green 8 - 85%
1.60 CM IQ SUN	1.597	40.5	1.30	400	All colours 55 - 90%
Polarized 1.6	1.600	42.0	1.30	400	Brown 78%, grey 83%, green 85%
1.60	1.597	40.5	1.30	400	
1.54 CM IQ	1.536	43.3	1.21	400	Brown, grey 5 - 85%
1.50	1.502	58.2	1.32	350	

\*Data as per DIN EN ISO for an untreated lens without any coating



# IMPRESSION® 2.

The future of better vision.

RODENSTOCK  
PERFECTION

Impression has been the first complete individual progressive lens on the market with more than 10 million sold to date. A new Impression® customer is added every 30 seconds.

Since then Rodenstock is researching to be always one step ahead. Now we achieved even more pin-sharp vision to the lenses with the pupil optimized correction. For best vision also in twilight!



Standard lenses



Impression® 2 with pupil-optimised correction

## BENEFITS:

- Improved contrast vision in all lighting conditions
- Individuality without compromising taking all individual parameters into account
- Optimised correction values for near and far range for pin-sharp vision at all distances
- Security of having a branded product for highest demands on vision

## FEATURES:

- Pupil-optimised correction offers an improved product with no additional measurement necessary
- EyeLT EyeModel
- The most exact inclusion of individual parameters
- Individually optimised inset for maximum binocular near vision zones
- Individual power optimisation
- Finely stepped base curve system for aesthetically perfect fit
- Retina Focus Principle
- 3D FreeForm Technology

Fully individual lenses create highest vision comfort!  
Just measure the individual parameters of you customer  
to get a totally customized lens:

## INDIVIDUAL PARAMETERS:

Interpupillary Distance (PD)  
Corneal Vertex Distance (CVD)  
Pantoscopic Tilt (PT)  
Face Form Angle (FFA)

