Occupational Safety | Eye Protection

Product Catalogue 2017
Safety Eyewear for Spectacle Wearers

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In this catalogue

Company Profile

INFIELD® – Safety Solutions for your protection!

INFIELD Safety manufacturs bespoke safety eyewear as well as customised hearing protection. Since the 1990s, INFIELD Safety has been a recognised specialist in the field of corrective eyewear in the workplace and a respected manufacturer of personal protection products.

When it comes to the supply of safety eyewear for spectacle wearers (prescription safety eyewear), INFIELD Safety has achieved a market-leading position in Germany. For more than 25 years, INFIELD Safety has placed immense emphasis on functionality and appealing design. In recent years, the hazards associated with extended use of Display Screen Equipment in the screen-based workplace is coming more to the fore and here also, INFIELD Safety is providing innovative customised solutions.

INFIELD Safety is a member of the Essilor Group, the global leader in eyewear lens manufacture. The success of the group, which is represented in more than 100 countries, is based on its strategy of continuous development. A strategy which it has followed for 160 years. From design to production, Essilor companies develop a multitude of products for supporting, correcting, and protecting people's eyes.

INFIELD®
SAFETY

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Products for occupational safety & more

Safety eyewear

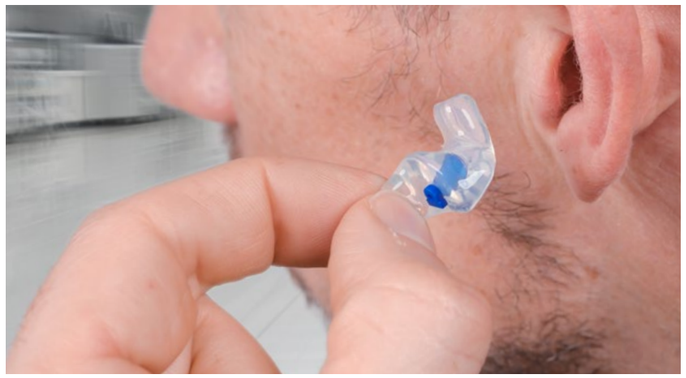
Customized safety eyewear from INFIELD Safety meet the highest material-specific requirements. Functionality and attractive design are also prioritized in their development. Apart from spectacles, INFIELD Safety also offers full safety eyewear, helmets and visors. For further information, please consult the brochure for safety eyewear from INFIELD Safety.

Outdoor and Sports Eyewear

For a long time now, INFIELD safety eyewear is no longer used "only" for work. The outdoor glasses from INFIELD Safety meet the same high demands as all our safety products. They impress with lightweight and break-resistant materials, sporty designs and individual styles and are available in the widest variety of colours. They are especially suitable for outdoor sports and wherever clear vision and protection are required in leisure activities. Some models can also be manufactured with corrective lenses in the customized strengths of the user.

Customized hearing protection

Perfect fit and low costs -INFIELD Safety offers individually customized solutions for protection of hearing. Customized ear moulds are manufactured for various areas of application and equipped with a suitable filter. With regards to the long useful life of approx. 4–5 years, the cost corresponds to the conventional standard solutions (foam/ one-way ear plugs). For further information, please request the brochure for customized hearing protection from INFIELD Safety.



The easy route to optimal safety eyewear

Product sourcing

Together with the client, our employees work hard to find the most appropriate way for us to provide you with safety eyewear. We have three distinct service options:

1. Our large database of opticians provide the complete customisation service.
2. The service is provided by one of approx. 1000 Infield service opticians located in the vicinity of the client. This takes place either on site and/or in the retail outlet of the optician.
3. One or more of our qualified employees, provide the service in close cooperation with the client and INFIELD

All three options have proven themselves over the decades. The decision in favour of one or the other option depends on the individual circumstances of the client. Hybrid forms of the mentioned service options are of course also possible.

Service and Consultation

An INFIELD representative is available to you for a comprehensive consultation and product presentation. For further information, please visit our website at **www.infield-safety.com**.

Your enquiry will be dealt with in a timely manner. In addition, INFIELD Safety also works with a network of approx. 1000 opticians in order to ensure that you receive a fast and professional service.

Rules and Practice

Personal eyewear is not safety eyewear

Personal eyewear is not suitable for safety eyewear, because they do not provide sufficient protection against the hazards in the workplace. However, employees often use old personal eyewear, the eyewear lenses of which in most cases have redundant optical strengths. Even in the case of normal and routine work processes, there is always the danger that the eyes can be affected by things like metal shavings, wood splinters or liquids. Such injuries can lead to permanent visual impairment or even blindness. Discerning employers make suitable eye protection available to all at risk.

Customised corrective safety eyewear are to be explicitly recommended

Personal corrective eyewear does not afford the required safety effect. Goggles, over-goggles, or visors can be worn over personal eyewear in the case of short-term use that lasts only a few minutes. The insurance association however explicitly recommends the use of prescription safety eyewear, because this is the only way to combine both the safety function and corrective effect (BGR 192 Section 3.2.2.2, Prescription Safety Eyewear).

The surfaces of the eyewear lens and any lens worn over the top of each can also results in disturbing reflections. There is also an increased chance of lens fogging. There is also the additional weight of the over-spectacles / goggles, which may become irritating when worn for extended periods.

Over-spectacles / goggles are only useful when used for short periods of time

Customised prescription safety eyewear are the right solution

Safety eyewear for spectacle wearers

Professional and customised - prescription safety eyewear by INFIELD

For over 25 years, safety eyewear with customised corrective lenses from INFIELD Safety have been a fundamental part of the health and safety regime of leading companies.
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Benefits of INFIELD prescription safety eyewear
EU standard EN166 certified and CE labelled
Manufactured especially for the protection of the eyes when working
Ensures optimal and fatigue-free vision while working
Fashionable choice of lens design
Customised to the individual spectacle wearer
Always utilising the very latest lens and frame technology
Avoids disputes between employee and employer in the case of damages
Transmits an expression of appreciation from the employer to the employees
Cost effective due to long service life
Less drain on the budget than you may think
Protects against workplace accidents and downtime

Occupational safety is also important when working at a desk - eyewear for the screen-based workplace

Whist the use of safety eyewear against mechanical influences is highly developed, eyes often remain unprotected when working on display screens on a daily basis.

In Germany, The Berufsgenossenschaftliche Information (BGI) 786 describes the legal framework for the use of eyewear at a screen-based workplace in detail. There is however still a major lack of information when it comes to the use of computer eyeglasses.

We provide information about health problems and risks when working at a display screen, the dangers of blue light and the corresponding customised solutions in our brochure entitled: "Office Eyewear - occupational safety starts at your desk".

OFFICE-EYEWEAR

Information regarding computer eyewear in screen-based workplaces

Certification for the occupational safety...

What is the difference between eyewear and safety eyewear?

Safety eyewear for daily industrial use, in DIY or medical environments must be able to resist enormous pressures. Depending on the industry, an employee can be confronted with various hazards in the workplace. With many tasks there are also combinations of these hazards. Because of this, safety eyewear must undergo a stringent testing procedure.

The testing of the eyewear's mechanical stability results in an allocation into the protection category EN166S or the higher category, EN166F. The allocation of the mechanical stability is done in the same manner for both the eyewear frame and the eyewear lenses. Should a frame and lenses have differing results, the eyewear as a whole will be allocated the lower certification (EN166S).

Possible dangers at the workplace

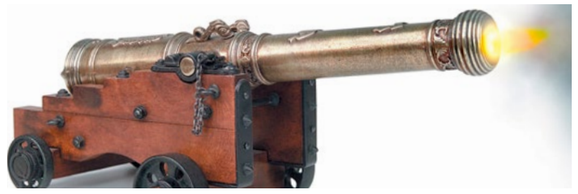
- Mechanical dangers from foreign bodies
- Optical radiation such as UV or IR radiation, laser beams and radiation from welding operations
- Biological and chemical substances
- Electrical Dangers

In the case of safety eyewear for spectacle wearers, eyewear frames and eyewear lenses are combined. The frames as well as the various lens variants are therefore tested and certified separately. Below we provide an overview of the individual testing procedures that both the eyewear frames and the eyewear lenses are subjected to. This explains the high quality demands that are placed on our safety eyewear.

Testing procedures for eyewear frames and eyewear lenses

Ball drop test - Increased stability (EN166S)

The object to be tested must withstand the impact of a steel ball with a nominal diameter of 22mm and a weight of at least 43g from a distance of 1.30m. The speed of the steel ball in this case is around 5.1 m/s (11.5mph). After the test, the material is examined for breakage or deformation.



Velocity test - protection against high speed particles with lower energy (EN166F)

The object to be tested must withstand the impact of a steel ball with a nominal diameter of 6mm and a weight of at least 0.86g. The speed of the steel ball in this case is ≥ 45 m/s (100mph). After the test, the material is examined for breakage or deformation.

Flammability

A steel rod is heated up to a temperature of ≥ 650°C. The heated surface is pressed up against the eyewear frame or the eyewear lens. The material must not ignite at any time during the contact period of 5 seconds.

Resilience in the case of increased temperature/ageing

The eyewear being tested is placed in a heating cabinet and heated to a constant temperature of 55°C, for a period of 60 minutes. It is then also inspected for deformation, ageing or changes in the optical quality.

... and mechanical stability

Additional testing procedures for eyewear frames

Corrosion resistance

The eyewear frame being tested is placed in a boiling sodium chloride solution for a period of 15 minutes. Thereafter, in a sodium chloride solution at room temperature for a further 15 minutes. This is then rinsed and dried for visual inspection. The surfaces of all metal parts must be found to be smooth and corrosion free.

Field of vision

The eyewear frame must demonstrate an adequate field of vision. In addition, fixed lines of vision are simulated on a standardised headform by means of a laser. The frame is only approved if the predefined minimum field of vision is maintained.

Side protection / Coverage area

In the same manner as with the field of vision measurement for frames, the side protection on the eyewear frame must not restrict the field of vision of the person wearing the glasses. In addition, the side protectors must provide sufficient cover for the side eye area, so that no foreign objects can hit the eyes from the side.

Additional testing procedures for eyewear lenses

Resilience against damage from small particles

Falling abrasive test: By means of a downpipe (diameter 12cm, height 165cm), 3kg of natural quartz sand with a defined particle size are sprinkled on the lens through a sieve from a distance of 170cm. The lens is then tested by means of an optical scattered light test (see scattered light).

Ageing resistance against UV radiation

The lens under test is exposed to the radiation from a strong UV lamp for a period of 50 hours. This simulates the storage and/or use of safety eyewear with glass lenses in sunlight for a period of approx. 2 years. Following the test, a measurements are taken to ensure light transmission and scattered light limitations conform to the specified standard.

Certifications| Continuation

UV protection filter
In cases of long and unprotected exposure to UV, there exists a danger of serious eye damage, such as retinal lesions and cataracts. Therefore, the lenses are tested and examined to ensure the required UV protection of the lenses is guaranteed.

Scattered light
Scattered light is an optical effect, which blurs an observed image and reduces the contrast. During testing, a clearly defined laser beam is guided through the lens at a certain angle. By means of a radiation receiver, a comparison is done to check whether there is a possible deviation or a scattering of the light stream.

Light transmission level
The level of light transmission offered by a lens is measured by means of a spectrophotometer. Eyewear lenses that are intended exclusively for the purpose of protecting the eyes against mechanical or chemical hazards, must have a light transmission above 74.4%.

Signal light detection
A restricted ability to observe the signal colours, red, yellow, green and blue results in significant potential for hazard. By measuring the corresponding light wavelengths, the lens can be tested as to what extent true signal colours are observed.

Refraction index / spherical and astigmatic effect
The lens is inspected with a lens meter based on defined correction values and the result must be within specified tolerances. Only then does the lens obtain the best possible category for optical quality - Category 1.

Material and surface quality
The lens is examined for defects, which may influence the optical quality. Such defects may include scratches, inclusions, blisters or opacities.

The Certificate

Only after successfully completing all testing procedures, does the safety eyewear obtain approval for use as safety eyewear. For the corresponding test result, each safety eyewear model is issued with a type approval certificate. The EN marks, specified on the type-approval certificates must be engraved both on the eyewear lenses as well as the eyewear frame.

Only eyewear with corresponding EN marks can be used as safety eyewear. This guarantees sufficient protection from potential hazards at the workplace.


ECS
EG-Baumusterprüfbescheinigung

Labelling according to DIN EN 166

Labelling of the eyewear lenses

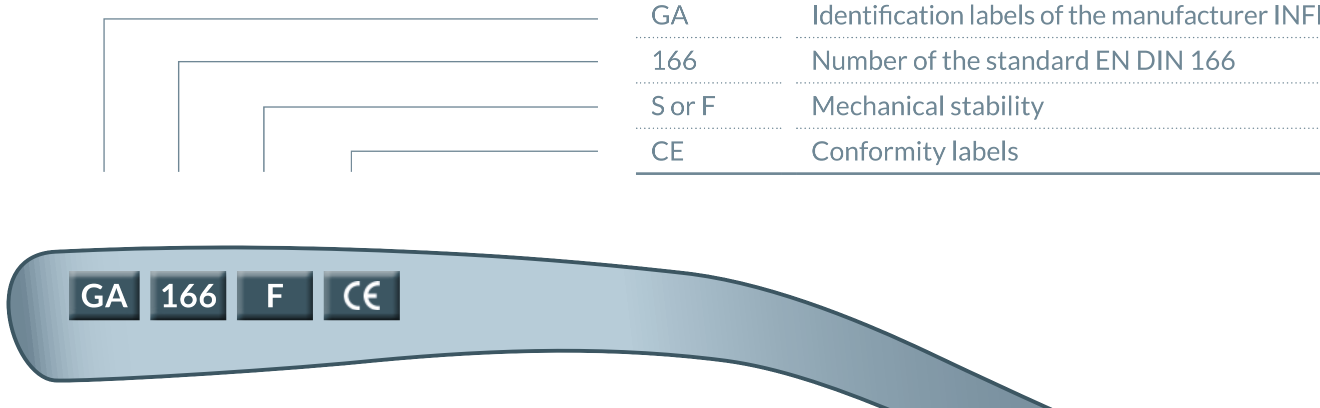
The engraving at the top edge of the glass only has the most essential information in order to ensure that the field of vision is not restricted.

Lens product labelling

Label	Meaning
2C - 1,2	Protection level of the filter effect (UV-radiation, colour recognition)
GA	Identification labels of the manufacturer INFIELD
1	Optical Category
S or F	Mechanical stability
CE	Conformity labels

Safety eyewear product labelling

Label	Meaning
GA	Identification labels of the manufacturer INFIELD
166	Number of the standard EN DIN 166
S or F	Mechanical stability
CE	Conformity labels



Labelling of the eyewear frames

The labelling of the eyewear frame is found in easily legible form on the inside of the temples. It is only valid with the CE labelling.

Unifocal and bifocal lenses

INFOR MONO
Eyewear lenses for distance vision

For correction of a far or short-sightedness, as long as no additional eyewear is required for near sight.

INFOR MONO
Eyewear lenses for near vision

Also suitable as safety glasses for wearers of reading glasses.

The vision for distances of above approx. 40 cm is blurred.

INFOR DUO
Bifocal lenses

For the simultaneous correction of difficulties in distance vision and the age related difficulties with near vision that occurs around the age of 40 onwards.

Visible transition between close and far lens surfaces. In the case of age related vision difficulties there are blurry areas in the intermediate distance of approx. 40 cm to 1 meter.

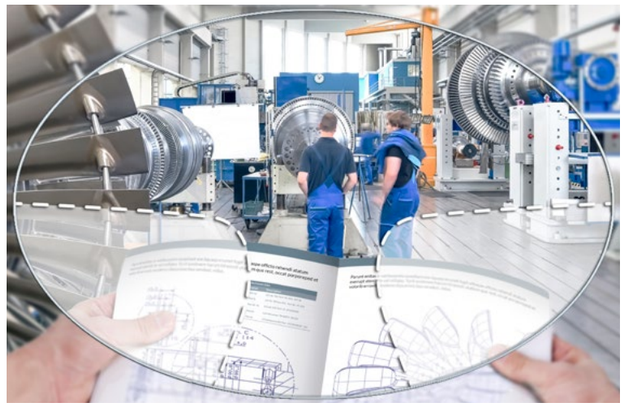
You can find interesting facts regarding defective vision on Page 25

Multifocal lenses

INFOR VARIO
Varifocal lenses

For the simultaneous correction of difficulties in distance vision and the age related difficulties with near vision.

Varifocals enable seamless vision from near to distance.



INFOR OFFICE
Office eyewear lenses

These seamless eyewear lenses can be precisely adjusted for any appropriate working distance. Such as your workplace PC screen, for example. The usable areas in the near and intermediate areas are larger than those of standard varifocal lenses.

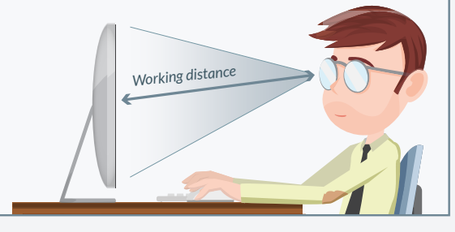
This results in a comfortable head and body posture when performing tasks on a computer. The INFOR Office lens can be adjusted for distances of up to 4m. The lens is not approved for use when driving.

More comfort from personal computer eyeglasses with customised eyewear lenses

Eyewear with INFIELD Infor Office lenses are individually customised and adjusted to the exact centimetre for the working distance that is most often used. In addition, the desired distance should be measured in such a manner that the spectacle wearer is able to have a relaxed head and body posture at their workplace. The desired working distance should be between 40 cm and 1.5 m.

Example measurement for the distance: "Eye-Screen"

- *Relaxed head and body posture*
- *Slightly downward directed view towards the centre of the screen*



You can find comprehensive information about computer eyeglasses in our "Office Eyewear Brochure".

Digital manufacturing of eyewear lenses

The INFOR Freeform Technology

We have incorporated the latest lens production technology - 'Freeform' - as standard in our INFOR multifocal lenses.

INFOR VARIO | Varifocal lenses

INFOR OFFICE | Office eyewear lenses

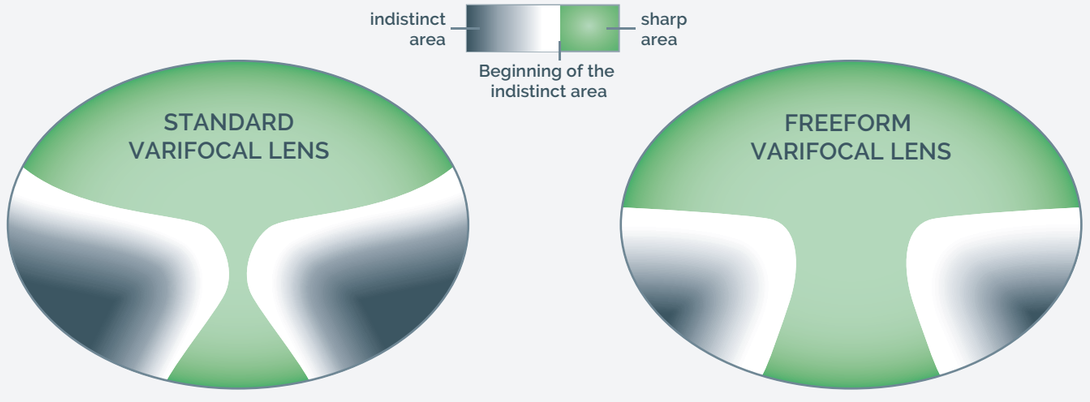
Conventional eyewear lens manufacturing is based on the processing of semi-finished basic lenses with tools in the form of segmented balls. This production method results in a relatively large area of the lens with blurry vision from the user's perspective.

Only by utilising latest computerised manufacturing processes and high-end calculation programmes is it possible make the digital manufacturing of the freeform lenses possible. With this process, each point on the rear lens surface is individually calculated and formed, resulting in a substantially improved image, compared to conventional varifocals.

Even in the case of freeform lenses, there are qualitative differences. Whereas some lens manufacturers only use standard programming for the calculation of the lens surface, INFIELD INFOR lenses are produced using a combination of multiple calculation programmes. Among them, our group's very own Eyepoint Raytracing Programme. By means of the **Eyepoint Raytracing Programme**, we compute optical properties and simulate human vision from the perspective of the eye at almost 3000 points across the lens surface.

Benefits of the freeform technology
It minimises the occurrence of image errors
Peripheral vision comfort is improved
No disturbing distortions
Optimisation of the usable lens in near and inter-mediate areas, resulting in reduced head movements.
The best possible lens design, matched to prescription, through modern technology

COMPARISON STANDARD VS. FREEFORM | SHARP & INDISTINCT SEEING AREAS



Because of the restricted range of vision, constant head movements are required in order to ensure a clear image is obtained.

More comfort as a result of a significantly improved range of vision. The wide viewing areas reduce the need for corrective head movements.

INFOR VARIO | Varifocals

Varifocal lenses – More and more customised

Optimised production processes for varifocal lenses however also have the consequence that it becomes increasingly difficult to switch between the lenses of various manufacturers. This is due to a certain "habituation effect" from the respective lens.

When it comes to safety eyewear for spectacle wearers, because of the numerous lenses offered on the market, it is not possible to take all these various lens designs into account. In addition, it is not feasible to customise a lens 100 percent for a safety eyewear client. This is something which is more compatible for personal eyewear. For safety eyewear, the additional cost and time factor is not commensurate with the improved results.

INFIELD Safety has therefore developed a varifocal lens, in which the range of vision is created in a very special manner. Even more important, however, is the fact that the daily switching between personal and safety eyewear, is as comfortable and easy as possible for the wearer.

INFIELD INFOR VARIO – the optimal high tech varifocal lens for use at the workplace

Lens materials ...

For each specification the right material solution

When it comes to safety eyewear for spectacle wearers selecting the right lens material depends on the user specifications, working environments, and specific tasks. INFIELD eyewear lenses are manufactured out of plastic material as well as mineral glass.

Eyewear lenses made of plastic material are especially good at protecting wearers from mechanical hazards and are finished with special coatings based on the individual working requirements of the wearer. In addition, plastic lenses are very light and can be very precisely adjusted to the specific vision requirements.

Plastic material CR 39 – Index 1.5

Lens labelling **GA 1 S CE**

Characteristics

- Lightweight
- Good chemical resistance
- Tint grades of 10% to 85% possible
- Resistant to spark burns during grinding and welding work
- Recommended for lens values of up to +/- 3 dioptre

Plastic material – High index 1.6

Lens labelling **GA 1 S CE**

Characteristics

- Very low weight
- Good chemical resistance
- Very good scratch resistance through HC*
- 100% UV protection
- Recommended for high lens values in excess of +/- 3 dioptre
- Relatively thinner lenses even in the case of high lens values
- Resistant to spark burns during grinding and welding work
- Tint grades of 10% to 85% possible

Plastic material – High index 1.67

Lens labelling **GA 1 S CE**

Characteristics

- Very lightweight
- Good chemical resistance
- Very good scratch resistance through HC*
- 100% UV protection
- Recommended for high lens values in excess of +/- 6 dioptre
- Relatively thinner lenses even in the case of high lens values
- Resistant to spark burns during grinding and welding work
- Tint grades of 10% to 85% possible

** More information about our coating technology can be found on Page 19 in this catalogue*

... and their characteristics

Polycarbonate – Index 1.59

Lens labelling **GA 1 F CE**

Characteristics

- Lightweight
- Very high mechanical impact strength
- 100% UV protection
- Tint grades of up to 15% possible
- Available for all lens values
- Increased scratch resistance through surface coatings
- Resistant to spark burns during grinding and welding work

Trivex – Index 1.53

Lens labelling **GA 1 F CE**

Characteristics

- Lightweight
- Good chemical resistance
- 100% UV protection
- Ideal optical characteristics
- Available for all lens values
- Tint grades of up to 15% possible

Mineral glass

For working areas containing abrasive dust, we recommended eyewear lenses made of mineral glass, because this material has the highest scratch resistant properties.

Tempered glass – High index 1.6

Lens labelling **GA 1 S CE**

Characteristics

- Very high scratch resistant properties
- Good chemical resistance
- Less resistance to spark burns during grinding and welding work
- Available for all lens values

Plastic lens material – High index

High index – higher index materials

Eyewear lenses get increasingly thicker either at the edge or in the centre. From approx. +/- 3 dioptres, we recommend using high index materials. Because of an increased optical density, such materials have a higher refractive power, compared to conventional eyewear lenses. They can therefore, be manufactured with thinner edge or centre thickness. In addition to cosmetic advantages, the weight can be reduced by up to 30%. The higher the refractive power (see Fig. 1&2), the thinner the eyewear lenses can be made.

Lens with minus values
(for Myopia / Near-sightedness)

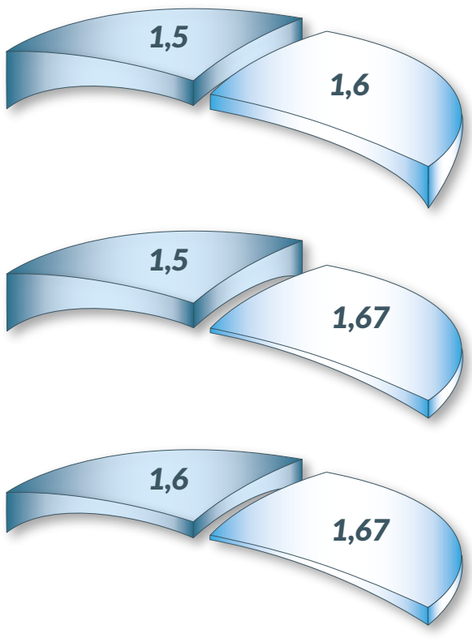


Fig. 1: Comparison of lens thickness and index of the various plastic lens materials; for eyewear lenses with minus values (Index 1.5/1.6/1.67)

Benefits for the spectacle wearer

Lower centre and edge thickness means…

- Lower weight
- Lower reduction ratio
- More realistic vision

Lens with plus values
(for Hyperopia / far-sightedness)

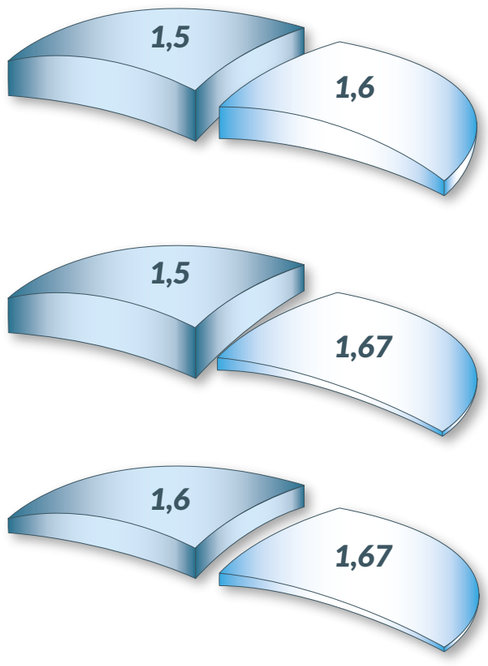


Fig. 2: Comparison of lens thickness and index of the various plastic lens materials; for eyewear lenses with plus values (Index 1.5/1.6/1.67)

Benefits for the spectacle wearer

Lower centre and edge thickness means…

- Lower weight
- Lower magnification factor
- More realistic vision

Coating technology – ProCoat

ProCoat - The optimal protection for all working conditions

Our coating technology has developed from many years of experience in the development of products for occupational safety / personal protection equipment. Our problem-specific solutions for every hazardous situation.

ProCoat HC – super scratch resistant

ProCoat HC	Coating(s): Description *(Abbr.):*	Hard Coating **HC**

With this thin coating on the lens surface, the lens receives especially high scratch resistance properties. It is protected against environmental influences and resistant to wear. It is also easy to clean and maintain. In addition, the hard coating improves the protection against chemical influences.

ProCoat SAR – Anti reflection coating

ProCoat SAR	Coating(s): Description *(Abbr.):*	Super Anti Reflex **SAR**

A mirror reflects up to a 96% of light. That is why we can see ourselves in it. Eyewear lenses (even though they are transparent and clear) still reflect approx. 8% of the light that hits them. This results in unpleasant reflections on the rear surface of the lens, causing vision irritations. In addition, the light transmission is restricted due to the reflection on the front lens surface. Anti-reflective coatings on eyewear lenses increase the light transmission by up to 99%. Visual discomfort from light being reflected into the eyes is almost completely eliminated.

ProCoat OSC – Multi coating (hard coat + anti reflection coat + clean effect)

ProCoat OSC	Coating(s): Description *(Abbr.):*	Super Anti Reflex **SAR**	Hard Coating **HC**	Clean Code **CC**

In addition to anti-reflective properties, this coating also offers extraordinarily high scratch resistant properties and a cleaning effect. OSC-coated eyewear lenses are especially well protected against low and high viscosity substances, along with other particle and environmental influences. They are very easy to clean and care for.

ProCoat OptiFog - Multi coating (hard coat + anti reflection coat + anti-fog)

OptiFog	Coating(s): Description *(Abbr.):*	Super Anti Reflex **SAR**	Hard Coating **HC**	OptiFog **AF**

The eyewear lens receives a highly effective anti-fog finish, in addition to an anti-reflection coat and hard coat. Lenses with this coating are therefore especially suitable for working environments with diffuse lighting conditions and frequent changes in temperature / humidity. When necessary, the anti-fog coat is reactivated by means of the OptiFog Activator eyewear cloth.

ProCoat Drive Coating … NEW

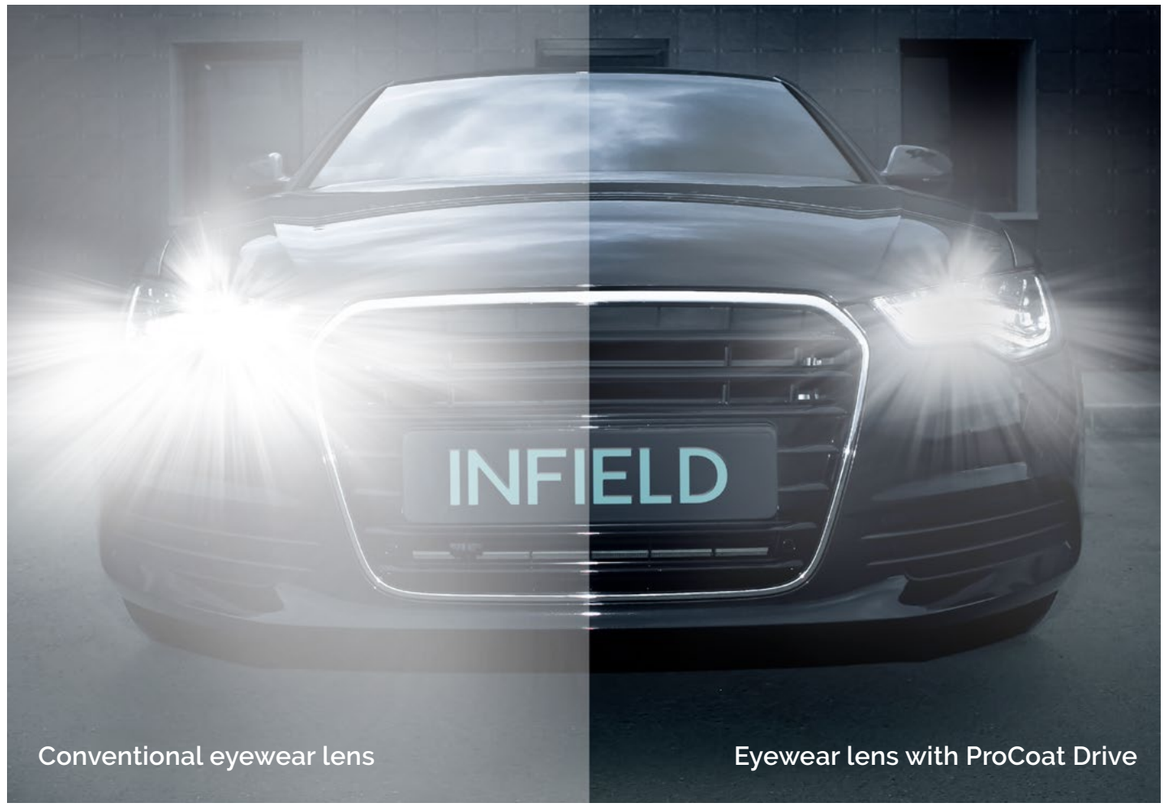
ProCoat Drive - The special coating technology for professional drivers

Every driver is familiar with the following situations: The glaring light of oncoming vehicles. The blinding light reflections on wet driving lanes in the twilight. The diffuse light of brightly lit inner city areas at night.

Additional demands on the driver, which causes rapid exhaustion and leads to reduced reaction time. For professional drivers it is fundamental to actively counteract potential hazards in traffic.

Up to 90% lower glare

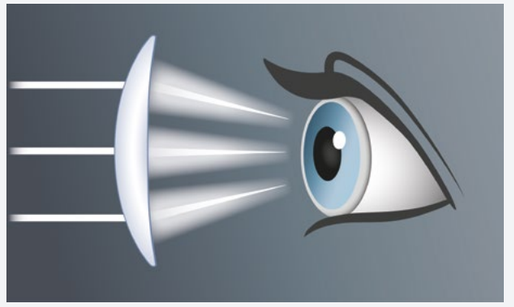
For the special challenges of daily road traffic, we have developed **ProCoat Drive**. Whereas conventional super anti-reflective lenses have their limits, eyewear lenses with the **ProCoat Drive** coating are especially effective when it comes to darkness and diffuse light conditions with extreme sharpness. Glare is reduced by up to 90%.



… for professional drivers

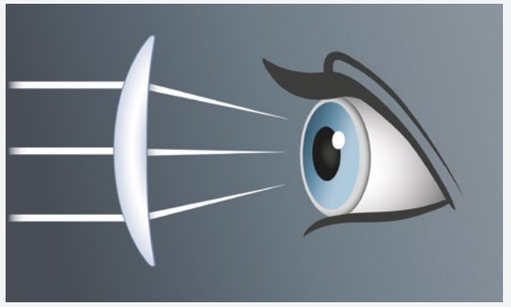
EYEWEAR LENSES-COMPARISON – MECHANISM FOR INCOMING LIGHT

Conventional eyewear lens



Incoming light hitting a conventional eyewear lens surface leads to reflections and distorts the observed image of the eyeglass wearer. Contours appear blurry and are experienced as disturbing glare. (for example spotlight or traffic signs).

Eyewear lens with ProCoat Drive



The special **ProCoat Drive** *coating technology reduces the reflection of incoming light. Glare is substantially reduced and contours become sharper.*

Benefits of reduced glare

- Exhaustion-free and stress-free vision
- Faster reaction times
- Early recognition of potential hazards
- Improved traffic overview
- Increased contract leads to improved depth observation
- Distances can be estimated faster and more accurately.
- Improved signal colour recognition, for example traffic lights or construction site illumination
- Clear vision even in the case of poor light conditions such as fog, snow, and rain

Both single vision lenses as well as multifocal lenses can be finished with the innovative **ProCoat Drive** coating.

They are perfectly suitable for the following occupations / groups of occupations:

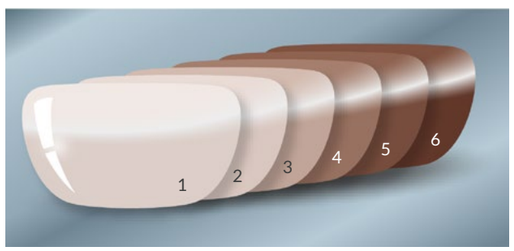
- Truck / Delivery Driver
- Taxi Drivers
- Driving Instructors
- Test drivers
- Sales Representatives
- Train Drivers
- Bus Drivers
- Drivers in the public services

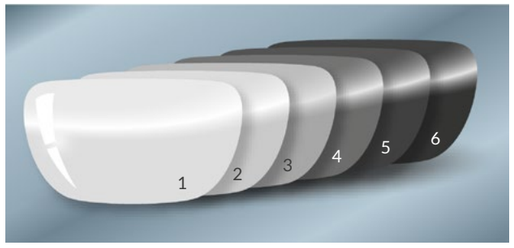
ProCoat Drive – up to 90% less glare.
The optimal coating for vehicle operators.

Permanent tints

Colour scheme and tint grades

If tinted eyewear lenses are required, the colours brown and grey can be selected in various tint grades. The selection of the tint colour is primarily a matter of individual taste and also dependent on the colour of the eyewear frame. Various tint grades enable the wearer to customise the lens to their requirements.

Brown tints		Level	Intensity
Protection from natural glare		1 | 2	10 & 15% (weak)
Various tint grades		3 | 4	30 & 60% (medium)
Increased contrast		5 | 6	75 & 85% (strong)
Warmer, more pleasant visual impression			

Grey tints		Level	Intensity
Protection from natural glare		1 | 2	10 & 15% (weak)
Various tint grades		3 | 4	30 & 60% (medium)
Ideal for light sensitivity, because grey is subjectively perceived as darker		5 | 6	75 & 85% (strong)

Weak tint of 10 and 15%

This tint grade can be worn throughout the entire day, as well as when driving a car at night. Because of the low level of the tint this can prevent eye fatigue and headaches. Due to the lightness of the shade, this tint only offers minimal glare protection.

Medium tint of 30 and 60%

This tint grade offers protection from more severe light sensitivity. This degree of tint should not be used when driving at night.

Strong tint of 75 and 85%

This tint grade offers perfect glare protection from the sun's rays. Classic sun protection lenses are made with a tint of at least 75%. They are also not suitable for night driving.

Variable tints

Photochromic eyewear lenses – self tinting from 7 to 85%

Photochromic eyewear lenses have molecules that react to UV radiation. The lenses automatically darken as the level of UV increases. This self-tinting ensures an optimal adjustment to changing light conditions. The wearer longer needs to switch between normal eyewear and sunglasses. Photochromic eyewear lenses have a base tint of 7% and available in grey or brown tint.

Tint ranges of photochromic eyewear lenses

Tint strength approx. 75-85%

In the case of bright sunshine, UV radiation is at its highest and the eyes require intensive sun protection. The eyewear lenses darken up to the maximum tint.

Medium to strong tint approx. 30-60%

In partly cloudy conditions with sunny intervals, there is always an increase in UV radiation. The eyewear lenses in this case darken to a medium to strong extent, depending on how the clouds and sunny periods are distributed.

Weak to medium tint approx. 10-30%

In the case of cloudy weather and diffused light, the UV exposure is minimal. The eyewear lenses darken only minimally.

Weak base tint approx. 7%

There is no UV radiation. Perhaps in the case of very cloudy conditions, in the dark, or when performing tasks indoors.

Client measurements

Information about the lens values

The lens values are determined by an optician or an eye doctor. In addition, the pupillary distance of the wearer is measured. This measured parameter is documented on an eyewear prescription.

Information included in the eyewear prescription	
Term	**Explanation**
Sph (Sphere)	Proportions of the near-sightedness or far-sightedness in the defective vision
Cyl (Cylinder)	Only provided, if there is a corneal curvature
Axis	Location of the corneal curvature of the eye | The value of the axis determines the position of the cylinder effect in the lens
Prism	A prism correction corrects a heterophoria (misaligned eyes). The value is given in cm/m
Basis	Gives the position of the heterophoria
Near	Lens value, in order to see nearby objects
Far	Lens value, in order to see objects at distance
Addition (ADD)	When ordering varifocal lenses, both the 'Far' value and the 'Near' value must be provided. For purposes of simplification, the 'Near' value can also be indicated as "Addition (ADD)". (Near value = Far value + Addition)

EYEWEAR PRESCRIPTION

NAME *first and last name* | KN/NDL *Optician-ID*

EYEWEAR INFORMATION

	SIDE	SPH	CYL	AXIS	PRISM	BASIS
FAR	right	- 1,00	- 0,50	90°	1 cm/m	0°
	left	- 1,50	-0,75	0°	1 cm/m	180°
NEAR	right	1,50	-0,50	90°	1 cm/m	0°
	left	1,00	-0,75	0°	1 cm/m	180°

DATE | PD R 32 L 33

Option 1 - Eyewear prescription with Far values and reading values

EYEWEAR PRESCRIPTION

NAME *first and last name* | KN/NDL *Optician-ID*

EYEWEAR INFORMATION

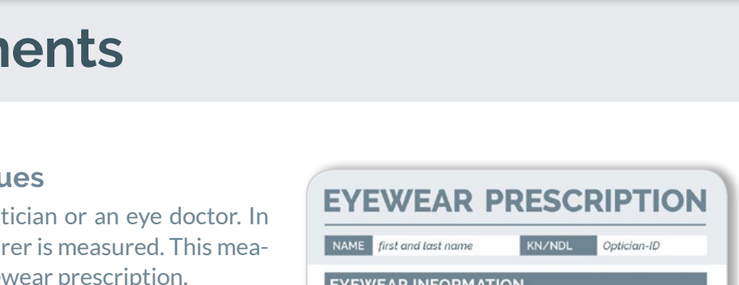
	SIDE	SPH	CYL	AXIS	PRISM	BASIS
FAR	rechts	- 1,00	- 0,50	90°	1 cm/m	0°
	links	- 1,50	-0,75	0°	1 cm/m	180°
NEAR	rechts	2,50				
	links	2,50				

DATE | PD R 32 L 33

Option 2 - Eyewear prescription with Far values and the Addition

Pupil distance (PD)

The pupil distance describes the distance between the centres of the pupils. The individual pupil distance is measured from the centre of the pupils to the nasal root (PD Right + PD Left = PD). As a rule, faces are not symmetric, which can lead to different measurements for the right and left eye.



The eyewear is then manufactured in such a manner that the optical centre of the eyewear lens is directly in front of the pupils. This measurement is especially important, because a deviation from the measured PD can lead to headaches and nausea.

Fitting height (FH)

Because every face has its own unique shape, all eyewear lenses are despoke. To enable accurate manufacture, the pupil distance and the fitting height must be determined in advance. The fitting height is required for varifocal lenses, office lenses, bifocal lenses as well as single vision lenses with high lens values. The proximity height depends on the eyewear frame. It is measured from the bottom, inner frame edge to the centre of the pupil. The proximity height can be adjusted depending on whether varifocal or bifocal lenses are required.

Common vision defects

Defective vision and its consequences

In order for a person to be able to observe an object (image) sharply, the rays of light that travel from an object must be projected onto the retina of the eye in an exact manner. Should this process be hindered as a result of the person's specific anatomy, it is called defective vision of the eyes.

The eyeball is too long or the refractive power of the eye lenses is too high. The image information is not projected sharply on the retina, but in front of it. (near-sighted). Objects that are further away appear unclear.

The eyeball is too short or the refractive power of the eye lenses is too low. This means that the image information is not projected sharply on the retina, but behind it (far-sighted). Objects that are close appear unclear.

Compared to the eyes, the cornea is not spherical but oval. As a result, the light is not projected onto the retina correctly. Objects, both near and at distance, are unclear.

As we all grow older, the elasticity (refractive power) of the eye lens constantly decreases. The ability of the eyes to see objects that are nearby clearly always leaves much to be desired. In the same way as far-sightedness, the image information is projected sharply not on, but behind the retina. Objects that are nearby therefore appear unclear.

You can find which lens can be used for which respective vision defect on pages 12-13

Temples for prescription safety eyewear

Perfect fit & optimal hold

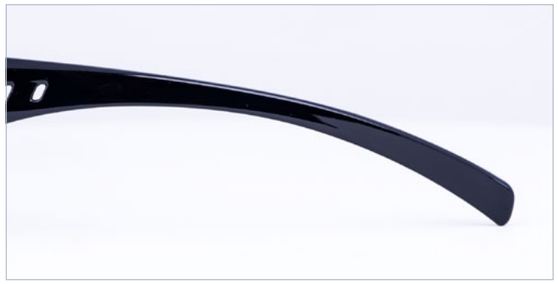
The temple is an important part of safety eyewear. It is primarily responsible for the hold and the comfort of the safety eyewear. INFIELD Safety offers numerous customised solutions.

Softflex Fit

The smooth and flexible slings of the Softflex Fit temple tips absorb the pulling force from the temple and prevents pressure behind the ear. In addition, by means of the smooth metal core, the rubberised temple can be individually adjusted to the head anatomy. This ensures a perfect, non-slip fit of the safety eyewear. Frames which feature adjustable length temples can also be adjusted to suit specific anatomical profiles.

Easy Fit

These universal temples stabilise the safety eyewear by means of the anatomical shape and flexible materials. The safety eyewear therefore automatically sits in the perfect position and pressure free.



Easy Fit Soft – with additional rubber support

With an additional smooth rubber support, these optimised Easy Fit Soft temples ensure an even better hold and more comfortable fit of the eyewear, even during periods of heavy perspiration.

Basic Fit – Metal temple with non-slip rubber tip

This standard variation benefits from a pliable metal core which can be adjusted anatomically to suit the wearers profile.

Example Images. The frame designs of each eyewear model can vary

Product overview

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METAL EYEWEAR FRAMES

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TITANIUM EYEWEAR FRAMES

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ACCESSORIES

SAFETY EYEWEAR ACCESSORIES
Pages 57-59

Eyewear frames made of plastic material

INFIELD Safety frames, made of plastic material, are ideal for those requiring corrective eyewear but also desire a lightweight, easy to wear frame.

Due to their material composition, INFIELD Safety frames are especially suitable for allergy sufferers. Many models have a comfortable face seal, offering good protection in dusty environments. Modern styling and colour combinations provide a huge choice of fit and looks. Some frame ranges are also available in a smaller size. Perfect for Ladies or those with a slimmer profile.

VISION 12

[1]


[2]


[3]

Fashionable eye protection for all spectacle wearers

A sporty plastic material frame in an attractive 2 colour design. Lightweight and with excellent coverage of the eye area, the **VISION 12** is well protected from impact hazards and has the added benefit of ventilation slots to the temple arms.


[4]

VISION 12	20 g	GA 166 F CE	Easy Fit Soft
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Lightweight, increased wearer comfort
- Soft nose pads
- Integrated side protection
- Permanent air circulation
- Sporty design
- Very good coverage of the eye area

FIG.	LENS	FRAME CHARACTERISTICS				VISION 12
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Crystal | Black	Crystal | Black	17 mm	56 mm	**2065 03 5617**
[2]	Customised visual strength(s)	Crystal | Blue	Crystal | Blue	17 mm	56 mm	**2065 05 5617**
[3]	Customised visual strength(s)	Grey	Grey	17 mm	56 mm	**2065 06 5617**
[4]	Customised visual strength(s)	Black	Grey	17 mm	56 mm	**2065 09 5617**

VISION 11

VISION 11

[1]

[2]

VISION 11	25 g	GA 166 F CE	Softflex Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Light weight
- Soft nose pads
- Very good coverage of the eye area
- Sporty design
- Easy fitting temple
- Integrated side protection

FIG.	LENS	FRAME CHARACTERISTICS				VISION 12
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Black	Crystal	16 mm	56 mm	**2380 00 5600**
[2]	Customised visual strength(s)	Black	Smoke	16 mm	56 mm	**2380 05 5600**

OPTOR S

[1]

OPTOR S	30 g	GA 166 F CE	Softflex Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Light weight
- Ideal for stronger profile fit
- Very good coverage of the eye area
- Classic design
- Easy fitting and adjustable temple
- Integrated side protection

FIG.	LENS	FRAME CHARACTERISTICS				OPTOR S
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Black | Blue	Crystal	16 mm	54 mm	**9400 S**

OPTOR XXS

[1]

OPTOR XXS	24 g	GA 166 F CE	Softflex Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Very light weight
- Ideal for slimmer profile fit
- Very good coverage of the eye area
- Classic design
- Easy fitting and adjustable temple
- Integrated side protection

FIG.	LENS	FRAME CHARACTERISTICS				OPTOR XXS
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Black | Blue	Crystal	16 mm	50 mm	**9400 XXS**

OPTOR PLUS

OPTOR PLUS

[1]

Even better coverage of the eye area by the additional adapter

[2]

OPTOR PLUS	38 g	GA 166 F CE	Softflex Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Easy fitting and adjustable temple
- Perfect protection with the additional adapter
- Soft overlay for comfort fit
- Very good coverage of the eye area
- Permanent air circulation
- Integrated side protection

FIG.	LENS	FRAME CHARACTERISTICS				OPTOR PLUS
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Black | Blue	Crystal	16 mm	54 mm	**9401**
[2]	Adapter for OPTOR PLUS	- - -	Black | Grey	- - -	- - -	**9401 777**

SUPERIOR

SUPERIOR

[1]

[2]

SUPERIOR	21 g	GA 166 F CE	Softflex Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Very light weight
- Ideal for stronger profile fit
- Very good coverage of the eye area
- Easy fitting and adjustable temple
- Integrated side protection

FIG.	LENS	FRAME CHARACTERISTICS				SUPERIOR
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Black	Crystal	18 mm	54 mm	**2370 00 5400**
[2]	Customised visual strength(s)	Black	Smoke	18 mm	54 mm	**2370 05 5400**

TEKTOR

TEKTOR

[1]

[2]

TEKTOR	28 g	GA 166 F CE	Easy Fit soft
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Light weight
- Sporty design
- Very good coverage of the eye area
- Antislip temple
- Integrated side protection

FIG.	LENS	FRAME CHARACTERISTICS				TEKTOR
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Black | Smoke	Smoke	16 mm	54 mm	**9415**
[2]	Customised visual strength(s)	Black | Crystal	Crystal	16 mm	54 mm	**9416**

VISION 9

VISION 9

[1]

[2]

[3]

VISION 9	15 g	GA 166 S CE	Basic Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Very light weight
- Available in 2 sizes
- Modern design

FIG.	LENS	FRAME CHARACTERISTICS				VISION 9
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Black	Black	16 mm	50 mm	**2095 03 5000**
[2]	Customised visual strength(s)	Blue	Blue	16 mm	52 mm	**2095 05 5200**
[3]	Customised visual strength(s)	Grey	Grey	16 mm	52 mm	**2095 07 5200**

VISION 8

[1]

[2]

VISION 8	24 g	GA 166 S CE	Basic Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Very light weight
- Very good coverage of the eye area
- Suitable for rough environment
- Integrated side protection

FIG.	LENS	FRAME CHARACTERISTICS				VISION 8
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Black	Black	16 mm	54 mm	**2090 03 5416**
[2]	Customised visual strength(s)	Black/Crystal	Crystal	16 mm	54 mm	**2090 09 5416**

VISION 2

[1] [2]

[3] [4]

VISION 2	20 g	GA 166 S CE	Basic Fit
Product features	Weight	Marking - Frame	Temple technology

Special eye protection for ladies

The **VISION 2** model is especially designed for ladies with slimmer profiles. With its integrated side protection it is available in 2 sizes and 2 different colours.

Features & Quick Info

- Very light weight
- Ideal for slimmer profile fit
- Modern design
- Special frame for ladies

FIG.	LENS	FRAME CHARACTERISTICS				VISION 2
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Black/Red	Black/Red	17 mm	48 mm	**2070 03 4817**
[2]	Customised visual strength(s)	Black/Red	Black/Red	17 mm	50 mm	**2070 03 5017**
[3]	Customised visual strength(s)	Black/Green	Black/Green	17 mm	48 mm	**2070 07 4817**
[4]	Customised visual strength(s)	Black/Green	Black/Green	17 mm	50 mm	**2070 07 5017**

VISION 4

[1] [2]

VISION 4	21 g	GA 166 F CE	Basic Fit
Product features	Weight	Marking - Frame	Temple technology

Neutral design for spectacle wearers

The VISION 4 is a neutral designed unisex model. With its integrated side protection shield it is available in 2 sizes.

Features & Quick Info

- Very light weight
- Neutral colouring
- Good coverage of the eye area
- Classic design
- Integrated side protection
- Avalable in 2 sizes

FIG.	LENS	FRAME CHARACTERISTICS				VISION 4
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Crystal	Crystal	17 mm	52 mm	**2040 00 5217**
[2]	Customised visual strength(s)	Crystal	Crystal	17 mm	54 mm	**2040 00 5417**

VISION 1 | 3 | 6 | 7

[1]
VISION 1

[3]
VISION 6

[2]
VISION 3

[4] [5]
VISION 7

VISION 1	22 g	VISION 6	25 g
VISION 3	22 g	VISION 7	23 g
Product features	Weight	Product features	Weight

Every model on this page:

GA 166 F CE	Basic Fit
Marking - Frame	Temple technology

Features & Quick Info

- Very light weight
- Good coverage of the eye area
- Classic design
- Transparent side shields

FIG.	LENS	FRAME CHARACTERISTICS				VISION 1 | 3 | 6 | 7	
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*	*Artikel-Nummer*
[1]	Customised visual strength(s)	Blue	Crystal	16 mm	54 mm	**VISION 1**	**2060 05 5416**
[2]	Customised visual strength(s)	Silver	Crystal	18 mm	52 mm	**VISION 3**	**2080 00 5218**
[3]	Customised visual strength(s)	Blue	Crystal	20 mm	54 mm	**VISION 6**	**2088 05 5420**
[4]	Customised visual strength(s)	Silver	Crystal	16 mm	52 mm	**VISION 7**	**2050 05 5216**
[5]	Customised visual strength(s)	Silver	Crystal	16 mm	54 mm	**VISION 7**	**2050 05 5416**

Metal eyewear frames

Metal prescription safety eyewear frames can be adjusted even more precisely to match the anatomical profile of the wearer. Because of the alloys used, metal eyewear frames are more resistant and durable. The corrosion resistant coating also ensures skin-friendly wearability.

VISION M 7000

[1]

VISION M 7000	22 g	GA 166 F CE	Basic Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Very light weight
- Very good coverage of the eye area
- Sporty design
- Transparent side shields
- Adjustable nose pads

FIG.	LENS	FRAME CHARACTERISTICS				VISION M 7000
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Blue	Blue	15 mm	56 mm	**7000 05 5600**

VISION M 1000

VISION M 1000

[1] [2]

[4] [5]

[5] [6]

VISION M 1000 Titanium

More information on pages 54 and 55

VISION M 1000	26 g	GA 166 F CE	Basic Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Light weight
- Transparent side shields
- Adjustable nose pads
- Also available as titanium frame
- Very good coverage of the eye area
- Available in 2 sizes

FIG.	LENS	FRAME CHARACTERISTICS				VISION M 1000
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Bronze	Bronze	18 mm	50 mm	**1000 04 5000**
[2]	Customised visual strength(s)	Bronze	Bronze	18 mm	52 mm	**1000 04 5200**
[3]	Customised visual strength(s)	Blue	Blue	18 mm	50 mm	**1000 18 5000**
[4]	Customised visual strength(s)	Blue	Blue	18 mm	52 mm	**1000 18 5200**
[5]	Customised visual strength(s)	Titanium	Titanium	18 mm	50 mm	**1000 22 5000**
[6]	Customised visual strength(s)	Titanium	Titanium	18 mm	52 mm	**1000 22 5200**

VISION M 6000

[6]
VISION M 6000 Titanium
See M 1000

VISION M 6000	23 g	GA 166 F CE	Basic Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Very light weight
- Ideal for slimmer profile fit
- Transparent side shields
- Adjustable nose pads
- Also available as titanium frame
- Available in 3 sizes

FIG.	LENS	FRAME CHARACTERISTICS				VISION M 6000
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*
[1]	Customised visual strength(s)	Silver	Silver	18 mm	50 mm	**6000 02 5000**
[2]	Customised visual strength(s)	Black	Black	18 mm	48 mm	**6000 03 4800**
[3]	Customised visual strength(s)	Black	Black	18 mm	50 mm	**6000 03 5000**
[4]	Customised visual strength(s)	Black	Black	18 mm	52 mm	**6000 03 5200**
[5]	Customised visual strength(s)	Blue	Blue	18 mm	50 mm	**6000 05 5000**
[6]	Customised visual strength(s)	Titanium	Titanium	18 mm	50 mm	**6000 22 5000**

VISION M 5000 | 8000

VISION M 5000	25 g	GA 166 F CE	Basic Fit
VISION M 8000	25 g	GA 166 F CE	Basic Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Light weight
- Ideal for stronger profile fit
- Classic design
- Transparent side shields
- Adjustable nose pads
- Each available in 2 sizes

FIG.	LENS	FRAME CHARACTERISTICS				VISION M 5000 | 8000	
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Article number*	*Artikel-Nummer*
[1]	Customised visual strength(s)	Brazil	Brazil	18 mm	54 mm	**M 5000**	**5000 08 5400**
[2]	Customised visual strength(s)	Brazil	Brazil	18 mm	56 mm	**M 5000**	**5000 08 5600**
[3]	Customised visual strength(s)	Brown	Brown	20 mm	55 mm	**M 8000**	**8000 08 5500**
[4]	Customised visual strength(s)	Brown	Brown	20 mm	57 mm	**M 8000**	**8000 08 5700**

VISION M 2000

[1] [2]

[3] [4]

VISION M 2000	24 g	GA 166 F CE	Basic Fit
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Very light weight
- Ideal for slimmer profile fit
- Classic design
- Transparent side shields
- Adjustable nose pads
- Available in 2 sizes

FIG.	LENS	FRAME CHARACTERISTICS				VISION M 2000
No.	Lens characteristics	Temple colour	Frame	Lens sizes	Sheet	Article number
[1]	Customised visual strength(s)	Silver	Silver	20 mm	48 mm	**2000 02 4800**
[2]	Customised visual strength(s)	Silver	Silver	20 mm	50 mm	**2000 02 5000**
[3]	Customised visual strength(s)	Copper	Copper	20 mm	48 mm	**2000 06 4800**
[4]	Customised visual strength(s)	Copper	Copper	20 mm	50 mm	**2000 06 5000**

VISION M 3000 | 4000 | 7500 | 8500

[1] [2] [3]
VISION M 3000

[7]
VISION M 7500

[4] [5] [6]
VISION M 4000

[8]
VISION M 8500

VISION M 3000	31 g	VISION M 7500	29 g	*Every model on this page:*	
VISION M 4000	31 g	VISION M 8500	30 g	GA 166 F CE	Basic Fit
Product features	Weight	Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Light weight
- Ideal for stronger profile fit
- Very good coverage of the eye area
- Classic design
- Transparent side shields
- Adjustable nose pads

FIG.	LENS	FRAME CHARACTERISTICS				VISION M -	
No.	Lens characteristics	Temple colour	Frame	Lens sizes	Sheet		Article number
[1]	Customised visual strength(s)	Silver	Silver	18 mm	52 mm	**M 3000**	**3000 02 5200**
[2]	Customised visual strength(s)	Silver	Silver	18 mm	54 mm	**M 3000**	**3000 02 5400**
[3]	Customised visual strength(s)	Silver	Silver	18 mm	56 mm	**M 3000**	**3000 02 5600**
[4]	Customised visual strength(s)	Black	Black	18 mm	52 mm	**M 4000**	**4000 03 5200**
[5]	Customised visual strength(s)	Black	Black	18 mm	54 mm	**M 4000**	**4000 03 5400**
[6]	Customised visual strength(s)	Black	Black	18 mm	56 mm	**M 4000**	**4000 03 5600**
[7]	Customised visual strength(s)	Copper	Copper	16 mm	56 mm	**M 7500**	**7500 06 5600**
[8]	Customised visual strength(s)	Olive	Olive	20 mm	54 mm	**M 8500**	**8500 07 5400**

Titanium eyewear frames

Titanium frames are up to 50% lighter than frames made of conventional metal alloys. The increased stability and flexibility of titanium ensures better durability and are particularly suitable for tough working environments. Titanium frames are corrosion resistant and are well suited to hot and humid environments. In addition, titanium is an "allergy free material" and can be used by those who are allergic to nickel.

VISION M 1000 | 6000 TITANIUM

[1] [2] VISION M 1000 TITANIUM

[3] VISION M 6000 TITANIUM

VISION M 1000 TITANIUM	**17 g**	**GA 166 F CE**	**Basic Fit**
VISION M 6000 TITANIUM	**19 g**	**GA 166 F CE**	**Basic Fit**
Product features	Weight	Marking - Frame	Temple technology

Features & Quick Info

- Very robust
- Minimized dents because of extremely light weight
- Allergy tested
- Corrosion resistant
- Longer life period
- Adjustable nose pads
- Good coverage of the eye area
- Transparent side shields
- VISION M 6000 TITANIUM model ideal for slimmer profile fit

FIG.	LENS	FRAME CHARACTERISTICS				VISION M – TITANIUM	
No.	*Lens characteristics*	*Temple colour*	*Frame*	*Lens sizes*	*Sheet*	*Titanium*	*Article number*
[1]	Customised visual strength(s)	Titanium	Titanium	18 mm	50 mm	**M 1000**	**1000 22 5000**
[2]	Customised visual strength(s)	Titanium	Titanium	18 mm	52 mm	**M 1000**	**1000 22 5200**
[3]	Customised visual strength(s)	Titanium	Titanium	18 mm	50 mm	**M 6000**	**6000 22 5000**

Accessories for safety eyewear

INFIELD Safety also offers a large selection of accessories to help keep the eyewear in top condition. These include cleaning materials, cords, storage solutions and technical aids.

Storage

[1]

[4]

[2]

[5]

[3]

[6]

Fig. No.	Article	DESCRIPTION	Article No.
[1]	Standard case	Water-repellent case suitable for all safety eyewear	**9910**
[2]	Clip case	Smooth plastic case for attaching to belt or waistband	**9911**
[3]	Hard case	Case suitable for a rough industrial environment	**9913**
[4]	Belt pouch	Case with spacious storage for the safety eyewear	**9914**
[5]	Belt Sports Case	Reinforced case with higher impact protection, hook & loop belt fixing and spring clip fastener.	**9918**
[6]	Nylon pouch	Protects the safety eyewear from dust and also serves as an eyewear cleaning cloth	**9920**

Lamps | Accessories

[1]

[3]

[4]

[4]

Fig. No.	Article	DESCRIPTION	Article No.
[1]	LED Lamp (1 piece)	Illumination system for use on any safety eyewear, incl. batteries	**9900**
[2]	Eyewear strap with rated breaking points	The rated breaking points ensure that the strap parts automatically in the case of excessive strain.	**9985**
[3]	Eyewear cord	Retains the safety eyewear whilst not being worn	**9992**
[4]	Sport strap	Provides a secure fit of the safety eyewear on the head	**9993**

Cleaning

[1]

[2]

[3]

[4]

Fig. No.	Article	DESCRIPTION	Article No.
[1]	Eyewear Cleaning Station - complete	Lockable, wall fitting Cleaning Station complete with 0.5ltr cleaning spray, 2 x 700 tissues & waste container.	**9980**
	Cleaning fluid to fit Cleaning Station	Cleaning fluid for the eyewear cleaning station (approx. 0.5ltr)	**9981**
	Spray pump to fit 0.5ltr bottle	Spray pump for the 0.5ltr cleaning fluid bottle.	**9982**
	Silicone free cleaning tissues to fit Cleaning Station	Lens cleaning tissue, ilicone free (700 sheets)	**9983**
	Cleaning fluid - 5 ltr	Bulk refill cleaning fluid (5ltr)	**9984**
[2]	Optifog Activator case	Cloth for activating the Optifog coating (recommended replacement approx. every 3 months) Further information about Optifog coating on p. 17	**9989**
[3]	Box of 100 sachets.	Individually packaged, impregnated cleaning tissues (100 pack)	**9990**
[4]	Lens cleaning spray – 100ml	Handy lens cleaner spray (100ml)	**9991**

Occupational safety | Eye protection

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