

laservision

Specifications for the **glazing of an optical insert (RX) for laser safety goggles**
(please fax or mail with the order to LASERVISION)

Name of the user/wearer	LASERVISION GmbH & Co. KG Würzburger Straße 152 D-90766 Fürth T +49 911 9736-8100 F +49 911 9736-8199 E info@lvlg.com
Company	
Contact data (for queries on optical glazing) Mail: Pho:	
Customer order number	Laservision order number

Product selection (please tick):

Focustype			Coating			
<input checked="" type="checkbox"/>	Single vision		<input checked="" type="checkbox"/>	Super AR, scratch resistant with Clean Coat		
RX Insert for model		spherical parameter range	cylindrical parameter range	Glass material	Part number	
<input type="checkbox"/>	R01 / R17	Sph. +4,0/-10,0 dpt	cyl. +/- 3,5 dpt	HI 1,6	A01RXINS1000	6119990
<input type="checkbox"/>	F46	Sph. +6,0/-4,0 dpt	cyl +/- 3,5 dpt	HI 1,67	A46RXINS0001	6119991

► For the production we need your **centering data (PD = pupil distance)** and your current **eyeglass prescription**.
For this purpose please send us optionally a copy

- of your eyeglass passport or
- of the strength data on your last eyeglass invoice

together with this form. The data should be a maximum of 2 years old. The responsibility for the correctness of the transmitted / if necessary below recorded eyeglass data lies with the customer.

► At what distance do you want to be able to see sharply with your safety glasses?
Please specify average working distance: appr. _____ cm
Note: Depending on the specified working distance, optical values for the RX insert may deviate from the values you specified due to the production process. In order to be able to perform an optimum calculation of the optical values, we require your age: _____ years

► Please include all information from the eyeglass passport (distance and near values, if available).

Required eyeglass data

		Please specify + / - sign							
		spherical	cylindrical	axis	prism	base			
PD	Centering		DISTANCE	R					
	R			L					
	L		NEAR	R					
				L					

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FAQs:

- **Why does laservision only offer single vision lenses and not varifocal lenses?**
Due to the predominant activity in the near range, varifocals do not make sense. Varifocals combine the advantage of being able to see from far (infinity up to 6m) to near (40cm). This is not absolutely necessary with laser safety glasses. In addition, varifocals require an exact measurement of the lens in height, which would be very costly with this product (visit to the optician with the complete laser safety glasses and the prescription insert).
- **What is „Super AR“?**
A super anti-reflective coating is actually just like a laser protection coating, only it does the opposite. Fine metal oxides are vapor deposited onto the glass surface, resulting in a clearer surface that transmits more light than without an anti-reflective coating. Light reflections are thus reduced by up to 18% and almost 99% of light is transmitted through the glass material.
- **What is Clean Coat?**
This is also a coating that refines the surface and makes it less sensitive to dirt and grease particles. Thus, the lenses with vision need to be cleaned less frequently.
- **What glass material is used?**
Basically, a thinner plastic material (refractive index of 1.6/1.67) is used.
- **What are the advantages?**
It is a very light lens material that can be used very well even with higher visual acuities (from 4 diopters), because it turns out thinner than normal lenses, for example, CR39
- **Why should the data on visual acuity not be older than 2 years?**
The visual acuity changes over time. Experience shows that the visual acuity is constant for max. 2 years. After that, the eye has changed minimally, so that the visual acuity may no longer be optimal. A complaint would be the consequence. Therefore, older data is no longer accepted, or complaints are rejected!
- **How large is the focus range around the working distance?**
This is difficult to answer, because it depends on many factors that you cannot influence. Mainly it depends on the "accommodation width". The accommodation width indicates how the human eye can adapt to distances (accommodate). By muscle power and changing the geometry of the eye lens, a person can accommodate. This ability decreases with age and therefore, from the age of about 45, additional glasses are needed for "reading". Thus, the range of sharpness is strongly dependent on age.
- **Why age is important?**
By specifying the age and the working distance, we can determine relatively accurately what visual acuity is needed. Therefore, it is also important to know what the visual acuity is at distance and near.
- **Where and at whom is the insert made with prescription?**
The insert is manufactured or glazed at our parent company uvex Arbeitsschutz (UAS) in Fürth. UAS has more than 40 years of experience in the production of optically corrected (protective) eyewear and is the market leader in Europe in this field.