Areas of application: **See over**

Grinder's goggles
in robust hard plastic. Plastic cups with indirect lateral ventilation. Comfortable fit, due to adjustable nose-bridge and elastic headband.

Welder's goggle
with indirect ventilation, also suitable for gas welding and flame cutting.

Variants

Grinder's goggles

0268 0000 xx PF	with clear polycarbonate lenses
0270 0000 xx HF	with clear anti-fog acetate lenses, Hyclear
0264 0000 xx GF	with clear hardened glass lenses
0266 0000 xx SF	with clear laminated glass lenses

Welder's goggles

0272 0000 xx EG*	with green welding lenses EG protection shades 4-6 (other shades on request)
0277 0000 xx SG	with laminated glass green welding lenses shade 5 **only**

* Please state the required shade in each case.

Packaging as per price list

Spare parts

9921 1120 00 EG	1 green welding lens EG, shades 4-6
9921 1140 00 SG	1 laminated green glass welding lens shade 5 **only**
9921 1020 00 PF	1 clear polycarbonate lens
9921 1060 00 HF	1 clear anti-fog acetate lens, Hyclear
9921 1100 00 GF	1 clear hardened glass lens
9921 1080 00 SF	1 clear laminated glass lens

Packing units

		in cardboard box	PF / HF	SF/GF/EG/SG
in polybag	1 pc.			
Packing unit (**VE**)	50 pcs.	235x150x100	2.75 kg	3.1 kg
Dispatch unit (**VS**) 6 x VE	300 pcs.	800x405x410	18.0 kg	20.0 kg
Pallet 9 x VS	2700 pcs.		185.0 kg	203.0 kg

Fields of application

	PF	HF	SF	GF
Work with compressed air	■	■	■	■
Mechanical precision work	■	■	■	■
Lathing, milling and drilling work	■	■	■	▲
Cutting and buffing with spark formation	■	■	▲	●
Wood and plastic processing	■	■	■	●
Laboratory work*	●	●	●	●
Construction work	▲	▲	■	■
Light grinding work, fine-grained dust, small metal splinters	■	■	■	■
Heavy grinding work coarse-grained dust, metal splinter	▲	▲	■	■

■	optimal use
▲	possible use
●	not recommended

*	Wear goggles without ventilation openings, or full-face protection, when handling corrosive substances

Protection shade	Application	Gases	Volume throughput l/h	
2	Light flame-cutting work			
3	Light flame-cutting work			
4	Welding and brazing Cutting	Acetylene Oxygen		to 70 to 900
5	Welding and brazing Cutting	Acetylene Oxygen	over 70 over 900	to200 to 2000
6	Welding and brazing Cutting	Acetylene Oxygen	over 200 over 2000	to 800 to 4000
7	Welding and brazing Cutting	Acetylene Oxygen	over 800 over 4000	 to 8000
8	Cutting	Oxygen	over 8000	

Shades over 8 are not suitable due to lack of protection for the face.

Technical data for the clear lenses

Frame	PF	HF	GF	SF
Density (weight)	1.2 g/cm3	1.22 g/cm3	2.55 g/cm3	2.52g/cm3
Tensile strength	60 to 70 N/m2	11.5N/mm2	70 to 90 N/m2	
Impact resistance	280 KJ/ m2	8 KJ/m2	1.2 KJ/m2	
100% ultraviolet filter	to 380 nm	to 380 nm	to 350 nm	
Sparks sticking	no	no	yes	yes
Scratch resistance	moderate	moderate	very good	very good
Anti-fog	no	yes	no	no
Marking				Inner side
	All lenses are optical class 1 according to EN 166 ans suitable for all day use.			

Standards' compliance

Standard of reference		**DIN EN 166**
Protection level	frame	Mechanical risks, visual radiation
	Lenses EG	welding filter
	Lenses SG	Impact and welding protection
Use area		Basic use according to **EN 166** and **EN 169**
Notified body		DIN CERTCO 0196

unico graber ag neuweg 14 ch-4434 Hölstein
Telefon +41 +61 951 15 55 telefax +41 +61 951 15 28 info@unicograber.com www.unicograber.com

unico graber ag
safety eyewear