

Product range

FACE PROTECTION



 **optrel**[®]
swiss made 

PROTECTING
PROFESSIONALS



THE PROTECTION OF EYES
AND FACE HAS ALWAYS BEEN
THE CENTRAL CORE OF OUR
BUSINESS CONCEPT.

Marco Koch, President of optrel AG

IT'S GOOD TO BE ABLE TO WORK UNIMPEDED. FACE PROTECTION FROM OPTREL.

Flying sparks, splinters or other hazards to your eyes and face: With face protection that withstands anything and makes many things possible, working in hazardous areas becomes easier and less stressful.

CLEARMAXX

More comfort. More air. More visibility.

WORKING WITH YOUR OWN CLIMATIC COMFORT ZONE

CONSISTENTLY GOOD VISIBILITY AND THE BEST AIR CONDITIONS WHEN YOU NEED TO PROTECT YOUR FACE.

Ideal for:

- Grinding applications
- Metalworking
- Food industry
- Wood processing
- Construction industry
- Landfill sites
- Agriculture

An unrestricted and clear view of the workplace, as well as filtered and clear air with an individually adjustable air supply make the optrel **clearmaxx** unique amongst face and respiratory protection systems.

MULTIFUNCTIONAL SYSTEM

Incorporating the optrel **e3000X** PAPR system and Mountain Breeze odour filter, the **clearmaxx** makes the ideal companion for numerous work processes. The easily replaceable DIN 5 protection lens extends the system to offer perfect protection for efficient plasma cutting.

COMFORTABLE TO WEAR

Thanks to a net weight of only 330 g (fresh air version: 495 g) and an ergonomic fit, the **clearmaxx** sets new standards when it comes to comfort.



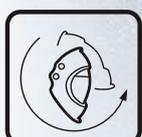
180° FIELD OF VIEW



LIGHTWEIGHT



RESPIRATORY PROTECTION



PATENTED ECCENTRIC



INDIVIDUALLY ADJUSTABLE AIR DISTRIBUTION

A rotary switch allows infinitely variable regulation of the fresh air supply. This allows up to 20% of the air to be directed for additional cooling of the forehead without drying out the eyes.



→ All info,
accessories and
replacement
parts



Helmet system	Item no.
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	clearmaxx grinding helmet Standard version	1100.000
	clearmaxx grinding helmet Fresh air version	4900.020
	Ready-to-grind package – clearmaxx and swiss air	4600.110
	Ready-to-grind package – clearmaxx and e3000X	4900.250

Technical data	
Classification	Optical class = 1
EN 166	Mechanical load capacity = LC
Dimensional stability	Helmet shell up to 220 °C/428 °F Protection lens up to 137 °C/279 °F
Operating temperature	-10 °C to +70 °C/14 °F to 158 °F
Storage temperature	-20 °C to +80 °C/-4 °F to 176 °F
Total weight	500 g
Standards	EN 166/EN 169/EN 170/EN 12941:1998 TH3

SOFTHOOD

Fresh air in dusty environments.



ULTRA-LIGHTWEIGHT – EXTREMELY VERSATILE

The optrel **softhood** respiratory protection hood is based on the principle of overpressure compared with the environment, and prevents contaminated air from entering the respiratory tract. It protects against dust and spray during various non-toxic tasks and is ideal for use in manufacturing, wood processing, food and pharmaceutical production, mining or agriculture.

Made from ultra-light nylon fabric, the headgear adjusts quickly and easily to fit all head sizes thanks to the comfortable rubber band. This makes it very comfortable to wear, even for long periods of time. The wide panoramic visor with anti-fog coating ensures an unrestricted view of the work at all times.

PERFECT IN COMBINATION WITH OPTREL'S INNOVATIVE FILTER AND COMPRESSED AIR SYSTEMS

optrel **softhood** is available in both a short and a long version. The **short softhood** is ideal when the focus is on acoustic perception, whereas the **long softhood** also covers the entire neck and shoulder area in case of increased dust load.

Depending on the application, both versions are used with optrel's respiratory protection systems:

The optrel **e3000X** PAPER system or the optrel **suppliedair** compressed air system.

TH3
certified



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Compatible connection
with **optrel e3000X**
and **optrel suppliedair**



softhood

Item no.

	optrel softhood short Protective hood with fresh air connection, black	4900.040
	optrel softhood short Protective hood with fresh air connection, grey	4900.041
	optrel softhood short Protective hood with fresh air connection, white	4900.042
	optrel softhood long Protective hood with fresh air connection and chest/shoulder protection, black	4900.050
	optrel softhood long Protective hood with fresh air connection and chest/shoulder protection, grey	4900.051
	optrel softhood long Protective hood with fresh air connection and chest/shoulder protection, white	4900.052

Technical data

Material	Lens glass: Cellulose propionate Fabric: Nylon Headband: Polypropylene
Storage temperature	-10 °C up to +55 °C
Operating temperature	0 °C up to +60 °C
Dimensions	280 x 210 x 270 mm
Total weight	150 g/240 g
Standards	EN 12941 (TH3 with e3000X) EN 14594 (Class 3A with suppliedair) EN 166



WELCOME TO THE WORLD OF OPTREL

Protecting Professionals Since 1986

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