

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.



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** PAPR system or the optrel **suppliedair** compressed air system.

TH3
certified



→ All info,
accessories and
replacement
parts



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



softhood

Item no.



optrel softhood short 4900.040
Protective hood with fresh air
connection, black



optrel softhood short 4900.041
Protective hood with fresh air
connection, grey



optrel softhood short 4900.042
Protective hood with fresh air
connection, white



optrel softhood long 4900.050
Protective hood with fresh
air connection and chest/
shoulder protection, black



optrel softhood long 4900.051
Protective hood with fresh
air connection and chest/
shoulder protection, grey



optrel softhood long 4900.052
Protective hood with fresh
air connection and chest/
shoulder protection, white

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

Your optrel dealer:



optrel.com



optrel AG
Industriestrasse 2
9630 Wattwil
Switzerland
www.optrel.com
info@optrel.com

optrel inc.
PO Box 1454
East Greenwich, RI 02818
USA
optrel.us
info_us@optrel.com

optrel India Private Ltd.
203-204, C Wing, 2nd Floor
Saudamini Commercial Complex
Right Busari Colony, Near Dutaa Mandir
Pune 411038, India
www.optrelindia.com
connect@optrelindia.com