

Eye Protection. Respiratory Protection. Accessoires.

PRODUCT OVERVIEW

2024



PROTECTING
PROFESSIONALS

OPTREL MEANS QUALITY

Using the swiss made sign optrel queues in the long tradition of swiss companies reaching for unequaled quality, highest performance and absolute safety by working on outrageous innovation and reliability. Optimal and method adapted protection is the central factor when it comes to the safety and health of the welder:

Trust in highest swiss quality.
Trust optrel.

ISO 9001
ISO 14001
BUREAU VERITAS
Certification



INNOVATION IS IN OUR GENES

optrel AG settled in Wattwil, Switzerland, is a leading manufacturer of active eye protection products, which are first of all used in fields of applications like welding, grinding and health care focussing on safety, health and efficiency of its users.

The internationally operating company was founded in 1986 and has since been recognised as a technology leader in the market for ADFs for welding equipment, as well as for other opto-electronic protection systems.

With its world-leading innovations optrel regularly raises this claim and offers customers and users enormous advantages world-wide.



handcrafted in Switzerland



swiss technology

HELIX QUATTRO

Hard work never felt so easy.

helix series



helix quattro
Item no. 1050.100.US



"Ready-to-Weld" -package
Item no. 4550.615.US with e3000X



SLIDE-UP HELMET



PANORAMA
FIELD OF VIEW



EN 379 CLASSIFIED
1/1/1/1



TRUE COLOR VIEW



SHADETRONIC®
SHADE LEVEL 4-14



FADETRONIC



MULTI SENSOR
DETECTION



RE-CHARGE
POWER TECHNOLOGY



ISOFIT® HEADGEAR



RESPIRATORY
PROTECTION OPTIONAL

HELIX CLT

Hard work never felt so easy.



helix clt
Item no. 1050.200.US



"Ready-to-Weld"-package
Item no. 4550.625.US with e3000X



SLIDE-UP HELMET



PANORAMA
FIELD OF VIEW



CRYSTAL LENS
TECHNOLOGY
WITH LIGHT STATE 2.0



TRUE COLOR VIEW



SHADETRONIC®
SHADE LEVEL 4-12



FADETRONIC



MULTI SENSOR
DETECTION



RE-CHARGE
POWER TECHNOLOGY



ISO-FIT® HEADGEAR



RESPIRATORY
PROTECTION OPTIONAL

HELIX 2.5

Hard work never felt so easy.



helix 2.5
Item no. 1050.000.US



"Ready-to-Weld"-package Item
no. 4550.605.US with e3000X

helix series



SLIDE-UP HELMET



PANORAMA
FIELD OF VIEW



LIGHT STATE 2.5



TRUE COLOR VIEW



SHADETRONIC®
SHADE LEVEL 5-12



FADETRONIC



MULTI SENSOR
DETECTION



RE-CHARGE
POWER TECHNOLOGY



ISOFIT® HEADGEAR



RESPIRATORY
PROTECTION OPTIONAL

PANORAMAXX^{CLT}

You won't believe your eyes.



panoramaxx clt silver

Item no. 1010.201

panoramaxx clt black

Item no. 1010.200



"Ready-to-Weld" - package

Item no. 4550.590 silver with e3000X

Item no. 4550.580 black with e3000X



**PANORAMA
FIELD OF VIEW**



**CRYSTAL LENS
TECHNOLOGY
WITH LIGHT STATE 2.0**



TRUE COLOR VIEW



**SHADETRONIC®
SHADE LEVEL 4-12**



FADETRONIC



**MULTI SENSOR
DETECTION**



**RE-CHARGE
POWER TECHNOLOGY**



GRIND MODE



ISO FIT® HEADGEAR



**RESPIRATORY
PROTECTION**

PANORAMAXX QUATTRO

Best view from all positions.



panoramaxx quattro
Item no. 1010.100



"Ready-to-Weld"-package
Item no. 4550.561 with e3000X



**PANORAMA
FIELD OF VIEW**



**EN 379 CLASSIFIED
1/1/1/1**



TRUE COLOR VIEW



**SHADETRONIC®
SHADE LEVEL 4-13**



FADETRONIC



**MULTI SENSOR
DETECTION**



**RE-CHARGE
POWER TECHNOLOGY**



GRIND MODE



ISOFIT® HEADGEAR



**RESPIRATORY
PROTECTION**

PANORAMAXX 2.5

As versatile as you.



panoramaxx 2.5
Item no. 1010.000



"Ready-to-Weld" - package
Item no. 4550.551 with e3000X



**PANORAMA
FIELD OF VIEW**



LIGHT STATE 2.5



TRUE COLOR VIEW



**SHADETRONIC®
SHADE LEVEL 5-12**



FADETRONIC



**MULTI SENSOR
DETECTION**



**RE-CHARGE
POWER TECHNOLOGY**



GRIND MODE



ISOFIT® HEADGEAR



**RESPIRATORY
PROTECTION**

CRYSTAL 2.0

You won't believe your eyes.

sphere series



crystal 2.0 silver
Item no. 1006.900
crystal 2.0 black
Item no. 1006.901



"Ready-to-Weld" -package
Item no. 4530.051 with e3000X



**CRYSTAL LENS
TECHNOLOGY
WITH LIGHT STATE 2.0**



TRUE COLOR VIEW



**SHADETRONIC®
SHADE LEVEL 4-12**



FADETRONIC



**SENSITIVITY
CONTROL**



GRIND MODE



**RESPIRATORY
PROTECTION**



**HEAT-REFLECTING
PAINT**

E 6 8 4

Discover the difference.



e684
Item no. 1006.500



"Ready-to-Weld" - package
Item no. 4550.103 with e3000X



EN 379 CLASSIFIED
1/1/1/1



TRUE COLOR VIEW



SHADETRONIC®
SHADE LEVEL 5-13



FADETRONIC



GRIND MODE



**RESPIRATORY
PROTECTION**



**HEAT-REFLECTING
PAINT**

VEGAVIEW 2.5

bright. brighter. vegaview.



vegaview 2.5
Item no. 1006.600



"Ready-to-Weld" -package
Item no. 4580.051 with e3000X



LIGHT STATE 2.5



TRUE COLOR VIEW



SHADE LEVEL 8-12



LIGHTWEIGHT



GRIND MODE



RESPIRATORY
PROTECTION

WELDCAP
WELDCAP
WELDCAP

HARD

BUMP

radical. casual.



weldcap bump
Item no. 1008.001



weldcap hard
Item no. 1008.002



weldcap
Item no. 1008.000



SHADE LEVEL 9-12



SLIM DESIGN

INCREASED
FIELD OF VIEW

LIGHTWEIGHT



GRIND MODE



EASY TO USE

NEO p550

new. efficient. optimal.

Y series



neo p550, green
Item no. 1007.011



neo p550, black
Item no. 1007.000



TRUE COLOR VIEW



SHADE LEVEL 9-13



DELAY FUNCTION



SLIM DESIGN



LIGHTWEIGHT

CLEARMAXX

Clear view. Clear air.



clearmaxx
Item no. 1100.000



"Ready-to-Grind" -package
Item no. 4900.251 with e3000X

ALWAYS A GREAT VIEW AND PERFECT AIR CONDITIONS WHEN PROTECTING YOUR FACE IS NECESSARY.

Ideal for:

- grinding
- metal industry
- food industry
- construction
- wood working
- painting
- landfills
- agriculture

SOFTHOOD

Fresh Air for Dusty Environments.

face protection



softhood short

Item no. 4900.040 – black

Item no. 4900.041 – gray

Item no. 4900.042 – white



softhood long

Item no. 4900.050 – black

Item no. 4900.051 – gray

Item no. 4900.052 – white

ULTRA-LIGHTWEIGHT. EXTREMELY VERSATILE.

The optrel respiratory protection softhood is based on the principle of overpressure relative to the environment and prevents contaminated air from entering the respiratory tract. Its 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 IS ALSO REVOLUTIONARY IN

RESPIRATORY PROTECTION SYSTEMS

Discover your options!

Respiratory protection systems from optrel meet the highest demands: Pollutant emissions such as aerosols, vapours, gases, smoke, viruses and unpleasant odours are filtered out of the air we breathe thanks to the respective filter and system in order to effectively prevent respiratory diseases.

optrel offers 3 different respiratory protection systems



1.) swiss air

Also compatible with helmets and equipment from other brands.



2.) e3000X

Compatible with all optrel "pure air" helmets



3.) supplied air

Respiratory protection system with compressed air connection.

SWISS AIR

Safety never felt so comfortable

PAPR system



TM3
certified



National Institute for
Occupational Safety and Health
NIOSH

TH3
certified



reddot winner 2021



swiss air package
(without half mask, NIOSH)
Item no. 4700.010.US particle filter
(with half mask, EU version)
Item no. 4700.010 particle filter



**CERTIFIED
PARTICLE FILTER**



**STEPLESSLY
ADJUSTABLE AIR
FLOW**



**AUTOMATIC AIR
FLOW CONTROL**



**6 - 12 H*
POWER PACK**
*Operating time depending
on air flow, at room temper-
ature with a new filter



**AUTOMATIC
ALTITUDE AND
TEMPERATURE
COMPENSATION**



**RESPIRATORY
SUPPORT**



**TH3 NO FIT TEST
NECESSARY**
*For loose fitting mask

E3000X

X-tend your possibilities.

HIGH-PERFORMANCE PAPR SYSTEM
WITH A SAFETY CLASS 3 FILTER



e3000X
Item no. 4553.100



ABE1 gas filter
Item no. 4088.700



HIGHEST CLASS
PROTECTION LEVEL



OPTIONAL ABE1
GAS FILTER



AUTOMATIC AIR
FLOW CONTROL



ADJUSTABLE
AIR FLOW



NEW HIGH PERFOR-
MANCE BATTERY



MOUNTAIN BREEZE
ODOR FILTER



LOW OPERATING
COSTS



ERGONOMIC
BACKPACK PRINCIPLE

SUPPLIED AIR

Best breathing air. Any place.

RESPIRATORY PROTECTION SYSTEM



suppliedair

Item no. 4090.010 (G1/4") /
4090.000 (RECTUS 25, 26 / CEJN 320)

ADJUSTABLE FRESH AIR SUPPLY FOR NUMEROUS APPLICATIONS

Respiratory protection solution for breathable air supplied by a compressor or a compressed air distribution system according to EN 14594.

- adjustable air flow from 160 to 250 nL/min
- air flow pressure meter for easy visual control
- low pressure warning by acoustic signal
- suitable for all optrel PAPR helmets (non NIOSH)

ISOFIT HEADGEAR

Just fits perfectly.



position
locker

NEW!

Free
position locker
to the IsoFit®
headgear

IsoFit® headgear
Item no. 5003.290

- combinable with all optrel welding/grinding helmets
- ready for use in just a few seconds and individually adjustable to any head size from S to XL
- maximum wearing comfort
- with new part especially for the construction helmet
- the position locker keeps the helmet stable in 2 positions

2

Lock!

1



The perfect complements to protect your head when used under toughest conditions

optrel hat

Item no. 5011.400.US, black
 ANZI/EN 397 Industrial safety
 helmet suitable for helix series



industrial bumpcap

Item no. 5002.840

EN PPE type 1

(not suitable with
 IsoFit® headgear)

halo – comfort inlay

Item no. 5003.530

for optrel helmets

(not suitable with

IsoFit® headgear)



Important accessories supporting your safety equipment



multibay-charger
Item no. 4551.018.US
e3000 Series



shoulderharness
Item no. 4551.040
e3000 Series



leather head &
neck protection
Item no. 4028.016
for welding helmets,
black



leather head &
neck protection
Item no. 4028.031
for PAPR welding
helmets, black



Item no. 4028.015
Leather chest protection
for welding helmets,
black

Keep your equipment always
safe and protected



parking buddy
Item no. 5002.900
for weldcap and optrel
welding helmets (not suitable
with IsoFit® headgear)

helmet/swiss air
backpack
Item no. 8000.100
black/green



e3000X bag
Item no. 8000.110
black/green



swiss made

WELCOME TO THE WORLD OF OPTREL

protecting professionals since 1986

Your optrel specialist:



[optrel.com](https://www.optrel.com)



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