

Product range

WELDING PROTECTION



 **optrel®**
swiss made 

PROTECTING
PROFESSIONALS

”

TO PREVENT WORK FROM
BECOMING A HEALTH RISK,
WE MAKE LIFE EASIER FOR
EVERYONE WHO LOVES
WELDING.

Marco Koch, President of optrel AG

HELIX QUATTRO

Hard work never felt so easy



reddot winner 2023
best of the best



SLIDE-UP HELMET



PANORAMA FIELD
OF VIEW



TOP MARKS IN ALL
FOUR CATEGORIES



TRUE COLOUR VIEW



SHADETRONIC®
PROTECTION LEVELS 4-13



FADETRONIC



FIVE-POINT DETECTION



OPTREL RE-CHARGE



ISOFIT® HEADGEAR



RESPIRATORY
PROTECTION

A HARD-WORKING MACHINE FOR HARD WORKING CONDITIONS

With **helix quattro**, optrel offers a welding helmet for working under the most difficult conditions. A slide-up helmet with internal ADF that has all the technical features of an optrel helmet, combined with sight protection for any accompanying work. With an EN 379 optical classification of 1/1/1 for optimum protection at lateral viewing angles and a maximum protection level of 14*.


The integrated, slide-up ADF minimises the weight and torques, providing the best possible relief for your neck.

The optrel helix series is available with integrated IsoFit® headgear as standard and optionally with an additional industrial safety helmet in line with industry standard EN 397.



→ All info,
accessories and
replacement
parts

helix series

Helmet system	Item no.
 optrel helix quattro welding helmet black, IsoFit® headgear, optrel EN 397 industrial safety helmet, black	1050.100
 optrel helix pure air quattro welding helmet black, IsoFit® headgear, optrel EN 397 industrial safety helmet, black	4441.940
 optrel helix quattro welding helmet black, IsoFit® headgear	1050.110
 Ready-to-Weld package helix quattro with swiss air PAPR	4600.150
 Ready-to-Weld package helix pure air quattro with e3000X PAPR	4550.610

Technical data

Protection levels	ShadeTronic® 4-13 (5-14*) manual 8-13 (9-14*) <i>*with additional protection lens SN+1</i>
Brightness level	Open: 1.0/ closed: 3.0/4.0*
Adjustment	ShadeTronic® or manual
Activation	Automatic on/off, sleep mode
Power supply	Solar cells, lithium polymer battery, chargeable via micro USB cable, battery service life 300 to 500 charging cycles
Sensitivity	Individually adjustable
Switching time	Bright to dark: 0.09 ms at 23 °C 0.07 ms at 55 °C Dark to bright: 0.1 s to 2.0 s (with FadeTronic)
Classification EN 379	1/1/1/1
Operating temp.	-10 °C to +55 °C
Storage conditions	Dark environment
Total weight	620 g

HELIX^{CLT}

Hard work never felt so easy



reddot winner 2023
best of the best



SLIDE-UP HELMET



PANORAMA FIELD
OF VIEW



CRYSTAL LENS
TECHNOLOGY WITH
BRIGHTNESS LEVEL 2.0



TRUE COLOUR VIEW



SHADETRONIC®
PROTECTION LEVELS 4-12



FADETRONIC



FIVE-POINT DETECTION



OPTREL RE-CHARGE



ISOFIT® HEADGEAR



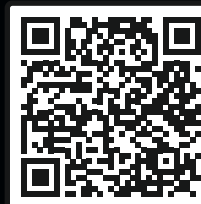
RESPIRATORY PROTECTION

HIGH PERFORMANCE MEETS PERFECT BRIGHTNESS AND COLOUR

The **helix CLT** combines a slide-up helmet and internal ADF with the brightness and natural colour view of crystal lens technology (CLT). CLT offers unrivalled brightness amongst welding helmets worldwide and ensures an outstanding visual and working experience. It provides you with the perfect basis for comfortable and easy work.

The integrated, slide-up ADF minimises the weight and torques, providing the best possible relief for your neck.

The optrel helix series is available with integrated IsoFit® headgear as standard and optionally with an additional industrial safety helmet in line with industry standard EN 397.



→ All info, accessories and replacement parts

helix series

Helmet system	Item no.
 optrel helix CLT welding helmet black, IsoFit® headgear, optrel EN 397 industrial safety helmet, black	1050.200
 optrel helix pure air CLT welding helmet black, IsoFit® headgear, optrel EN 397 industrial safety helmet, black	4441.960
 optrel helix CLT welding helmet black, IsoFit® headgear	1050.210
 Ready-to-Weld package helix CLT with swiss air PAPR	4600.160
 Ready-to-Weld package helix pure air CLT with e3000X PAPR	4550.620

Technical data

Protection levels	ShadeTronic® 4-12 manual 7-12
Brightness level	Open: 1.0/closed: 2.0
Adjustment	ShadeTronic® or manual
Activation	Automatic on/off, sleep mode
Power supply	Solar cells, lithium polymer battery, chargeable via micro USB cable, battery service life 300 to 500 charging cycles
Sensitivity	Individually adjustable
Switching time	Bright to dark: 0.09 ms at 23 °C 0.07 ms at 55 °C Dark to bright: 0.1 s to 2.0 s (with FadeTronic)
Classification EN 379	1/1/1/2
Operating temp.	-10 °C to +55 °C
Storage conditions	Dark environment
Total weight	640 g

HELIX 2.5

Hard work never felt so easy



reddot winner 2023
best of the best



SLIDE-UP HELMET



PANORAMA FIELD
OF VIEW



BRIGHTNESS LEVEL 2.5



TRUE COLOUR VIEW



SHADETRONIC®
PROTECTION LEVELS 5-12



FADETRONIC



FIVE-POINT DETECTION



OPTREL RE-CHARGE



ISOFIT® HEADGEAR



RESPIRATORY PROTECTION

HIGH PERFORMANCE MEETS PERFECT BRIGHTNESS AND COLOUR

With the **helix 2.5**, you get a slide-up helmet with internal ADF that offers all the advantages of the helix series in terms of comfort and low weight. An ADF with a protection level range from 5 to 12 covers most welding applications. It offers a brightness level of 2.5 and a clear view of all other work processes with the visor pushed up.






The integrated, slide-up ADF minimises the weight and torques, providing the best possible relief for your neck.

The optrel helix series is available with integrated IsoFit® headgear as standard and optionally with an additional industrial safety helmet in line with industry standard EN 397.



→ All info, accessories and replacement parts

helix series

Helmet system	Item no.
 optrel helix 2.5 welding helmet black, IsoFit® headgear, optrel EN 397 industrial safety helmet, black	1050.000
 optrel helix pure air 2.5 welding helmet black, IsoFit® headgear, optrel EN 397 industrial safety helmet, black	4441.980
 optrel helix 2.5 welding helmet black, IsoFit® headgear	1050.010
 Ready-to-Weld package helix 2.5 with swiss air PAPR	4600.140
 Ready-to-Weld package helix pure air 2.5 with e3000X PAPR	4550.600

Technical data

Protection levels	ShadeTronic® 5-12 manual 7-12
Brightness level	Open: 1.0/closed: 2.5
Adjustment	ShadeTronic® or manual
Activation	Automatic on/off, sleep mode
Power supply	Solar cells, lithium polymer battery, chargeable via micro USB cable, battery service life 300 to 500 charging cycles
Sensitivity	Individually adjustable
Switching time	Bright to dark: 0.09 ms at 23 °C 0.07 ms at 55 °C Dark to bright: 0.1 s to 2.0 s (with FadeTronic)
Classification EN 379	1/1/1/2
Operating temp.	-10 °C to +55 °C
Storage conditions	Dark environment

Total weight

620 g

PANORAMAXX HYBRID CLT

The best of both worlds



for laser welding
& arc welding

2 IN 1



PANORAMA
FIELD OF VIEW



CRYSTAL LENS
TECHNOLOGY WITH
BRIGHTNESS LEVEL 2.5



TRUE COLOR VIEW



SHADETRONIC®
SHADE LEVEL 4-12



FADETRONIC



MULTI SENSOR
DETECTION



RE-CHARGE
POWER TECHNOLOGY



GRIND MODE



ISOFIT® HEADGEAR



RESPIRATORY
PROTECTION





IDEAL EYE PROTECTION FOR HYBRID WELDING WITH CLT

With the **panoramaxx hybrid clt**, optrel is offering a fully automatic welding helmet that combines Crystal Lens Technology (CLT) not only with an XXL field of vision and light level 2.5, but also with tried-and-tested ShadeTronic® dark level adjustment in the 4-12 range. It offers excellent vision in every work situation (conventional welding, hand-held laser welding or other laser applications).

It goes without saying that **all helmet variants in the panoramaxx-laser series can be combined with optrel's TH3 respiratory protection** (swiss air or e3000X). This ensures that your airways are always reliably protected against smoke, gas and dust.



→ All info, accessories and replacement parts

Helmet system	Item no.
 panoramaxx hybrid clt	1010.302
 panoramaxx pure air hybrid clt	4441.882
 Ready-to-Weld package panoramaxx hybrid clt with swiss air PAPR	4600.171
 Ready-to-Weld package panoramaxx pure air hybrid clt with e3000X PAPR	4550.681

Laser protection	
Wavelength range	1000-1100 nm
Eye protection	16321 OS W2.5/3-8/4-12 V2 +TIG 1000-1100 D LB7 IR LB8 OS 1000-1100 OD7 C5 PS3 ISO 19818-1 OS CE
Face and head protection	16321 OS W15 E 1-M 1000-1100 D LB4 IR LB8 OS B 1000-1100 OD5 C2 PS3 ISO 19818-1 OS E CE
Technical data	
Protection levels	ShadeTronic® 4-12 manual 3-8
Brightness level	2.5
Adjustment	ShadeTronic® or manual
Activation	Automatic on/off, sleep mode
Power supply	Solar cells, lithium polymer battery, chargeable via micro USB cable, battery life 300 to 500 charging cycles
Sensitivity	Infinitely variable
Switching time	Bright to dark: 0.09 ms at 23 °C 0.07 ms at 55 °C Dark to bright: 0.1 to 2.0 s (with FadeTronic)
Classification	1/1/1/2 EN379
Operating temp..	-10°C to +55°C
Storage conditions	bright environment
Total weight	Standard 685 g / Pure air 850 g

PANORAMAXX HYBRID

The best of both worlds



for laser welding
& arc welding

2 IN 1



PANORAMA
FIELD OF VIEW



TRUE COLOR VIEW



SHADETRONIC®
SHADE LEVEL 5-13



FADETRONIC



MULTI SENSOR
DETECTION



RE-CHARGE
POWER TECHNOLOGY



GRIND MODE



ISO FIT® HEADGEAR



RESPIRATORY
PROTECTION





IDEAL EYE PROTECTION FOR HYBRID WELDING

With the **panoramaxx hybrid**, optrel has a fully automatic welding helmet with light level 3.0 including an XXL field of vision and the ShadeTronic® in the 5-13 range. It offers a true-colour view of the workpiece in various work processes (conventional welding, hand-held laser welding or other laser applications).

It goes without saying that **all helmet variants in the panoramaxx-laser series can be combined with optrel's TH3 respiratory protection** (swiss air or e3000X). This ensures that your airways are always reliably protected against smoke, gas and dust.



→ All info, accessories and replacement parts

Helmet system		Item no.	Laser protection	
	panoramaxx hybrid	1010.301	Wavelength range	1000-1100 nm
			Eye protection	16321 OS W3/4-9/5<13 V2 1000-1100 D LB7 IR LB8 OS 1000-1100 OD7 C5 PS3 ISO 19818-1 OS CE
			Face and head protection	16321 OS W15 E 1-M 1000-1100 D LB4 IR LB8 OS B 1000-1100 OD5 C2 PS3 ISO 19818-1 OS E CE
			Technical data	
	panoramaxx pure air hybrid	4441.881	Protection levels	ShadeTronic® 5-13 manual 4-9
			Brightness level	3.0
			Adjustment	ShadeTronic® or manual
			Activation	Automatic on/off, sleep mode
	Ready-to-Weld package panoramaxx hybrid with swiss air PAPR	4600.170	Power supply	Solar cells, lithium polymer battery, chargeable via micro USB cable, battery life 300 to 500 charging cycles
			Sensitivity	Infinitely variable
			Switching time	Bright to dark: 0.09 ms at 23 °C 0.07 ms at 55 °C Dark to bright: 0.1 s to 2.0 s (with FadeTronic)
			Classification EN379	1/1/1/2
	Ready-to-Weld package panoramaxx pure air hybrid with e3000X PAPR	4550.680	Operating temp..	-10°C to +55°C
			Storage conditions	bright environment
			Total weight	Standard 695 g / Pure air 860 g

PANORAMAXX L

Perfect for specific laser applications



for laser cleaning, laser cutting, and laser control work



PANORAMA
FIELD OF VIEW



ISO FIT® HEADGEAR



RESPIRATORY
PROTECTION





EYE PROTECTION FOR CERTAIN LASER APPLICATIONS

The **panoramaxx L** is the only passive welding helmet in this product range that is suitable for specific laser applications (laser cleaning, laser cutting or inspection tasks with a laser welding robot). It also features the popular XXL field of vision and protection level 2.

It goes without saying that **all helmet variants in the panoramaxx-laser series can be combined with optrel's TH3 respiratory protection** (swiss air or e3000X). This ensures that your airways are always reliably protected against smoke, gas and dust.



→ All info, accessories and replacement parts

Helmet system		Item no.		
	panoramaxx L	1010.300		
	panoramaxx pure air L	4441.880		
	Package panoramaxx L with swiss air PAPR	4600.175	Laser protection	
			Wavelength range	1000-1100 nm
			Eye protection	2 OS 1 S 1000-1100 D LB7 IR LB8 OS 1000-1100 OD7 C5 PS3 ISO 19818-1 OS CE
			Face and head protection	OS 175 B 500g 1000-1100 D LB4 IR LB8 OS B 1000-1100 OD5 C2 PS3 ISO 19818-1 OS E CE
	Package panoramaxx pure air L with e3000X PAPR	4550.682	Technical data	
			Protection levels	2.0
			Brightness level	2.0
			Operating temp..	-10°C to +55°C
			Total weight	Standard 605 g / Pure air 775 g

PANORAMAXX CLT

You won't believe your eyes



PANORAMA FIELD
OF VIEW



CRYSTAL LENS
TECHNOLOGY WITH
BRIGHTNESS LEVEL 2.0



TRUE COLOUR VIEW



SHADETRONIC®
PROTECTION LEVELS 4-12



FADETRONIC



FIVE-POINT DETECTION



OPTREL RE-CHARGE



GRINDING MODE



ISOFIT® HEADGEAR



RESPIRATORY PROTECTION

XXL PANORAMIC FIELD OF VIEW






The nose recess of the panoramaxx allows the auto-darkening filter to be moved closer to the eyes, resulting in a field of view that is up to six times larger than a standard welding helmet.

CRYSTAL-CLEAR VIEW OF THE WELD POOL

The world-famous Crystal Lens Technology 2.0 is now also available in the **panoramaxx CLT** version. With it, optrel engineers have once again pushed the boundaries of what is possible to a new level. Anyone who has ever welded using CLT will not believe their eyes.



→ All info, accessories and replacement parts

Helmet system		Item no.		
	optrel panoramaxx CLT welding helmet black	1010.200		
	optrel panoramaxx CLT welding helmet silver	1010.201		
	optrel panoramaxx CLT fresh air helmet black	4441.780		
	optrel panoramaxx CLT fresh air helmet silver	4441.781		
	Ready-to-Weld package panoramaxx CLT with swiss air PAPR	4600.010		
	Ready-to-Weld package panoramaxx CLT with e3000X PAPR	4550.590		
			Technical data	
			Protection levels	ShadeTronic® 4-12 manual 7-12
			Brightness level	2.0
			Adjustment	ShadeTronic® or manual
			Activation	Automatic on/off, sleep mode
			Power supply	Solar cells, lithium polymer battery, chargeable via micro USB cable, battery life 300 to 500 charging cycles
			Sensitivity	Infinitely variable
			Switching time	Bright to dark: 0.09 ms at 23 °C 0.07 ms at 55 °C Dark to bright: 0.1 s to 2.0 s (with FadeTronic)
			Classification EN 379	1/1/1/2
			Operating temp.	-10 °C to +55 °C
			Storage conditions	Dark environment
			Total weight	Silver 610 g, black 600 g

PANORAMAXX QUATTRO

The best visibility in all positions



PANORAMA FIELD
OF VIEW



TOP MARKS IN ALL
FOUR CATEGORIES



TRUE COLOUR VIEW



SHADETRONIC®
PROTECTION LEVELS 4-13



FADETRONIC



FIVE-POINT DETECTION



OPTREL RE-CHARGE



GRINDING MODE



ISOFIT® HEADGEAR



RESPIRATORY
PROTECTION

XXL PANORAMIC FIELD OF VIEW

The nose recess of the panoramaxx allows the auto-darkening filter to be moved closer to the eyes, resulting in a field of view that is up to six times larger than a standard welding helmet.

ONE HELMET WITH TOP MARKS IN ALL FOUR CATEGORIES





The **panoramaxx quattro** was developed for use in heavy-duty metal construction, where work is frequently carried out with a lot of energy and in a wide variety of welding positions.

Especially in constrained positions, you don't have a straight view of the welding point. Perfect viewing angle dependency, confirmed by the highest test mark (1) according to the EN 379 standard, guarantees that the **panoramaxx quattro** welder always has the best view of the welding process without having to manually readjust the protection level.

This results in interruption-free and fatigue-free work, which increases performance.



→ All info,
accessories and
replacement
parts

Helmet system		Item no.	Technical data	
	optrel panoramaxx quattro welding helmet black	1010.100	Protection levels	ShadeTronic® 4-13 manual 8-13
	optrel panoramaxx quattro fresh air helmet black	4441.760	Brightness level	3.0
	Ready-to-Weld package panoramaxx quattro with swiss air PAPR	4600.020	Adjustment	ShadeTronic® or manual
	Ready-to-Weld package panoramaxx quattro with e3000X PAPR	4550.560	Activation	Automatic on/off, sleep mode
			Power supply	Solar cells, lithium polymer battery, chargeable via micro USB cable, battery life 300 to 500 charging cycles
			Sensitivity	Infinitely variable
			Switching time	Bright to dark: 0.09 ms at 23 °C 0.07 ms at 55 °C Dark to bright: 0.1 s to 2.0 s (with FadeTronic)
			Classification EN 379	1/1/1/1
			Operating temp.	-10 °C to +55 °C
			Storage conditions	Dark environment
			Total weight	575 g

PANORAMAXX 2.5

As versatile as you



PANORAMA FIELD
OF VIEW



BRIGHTNESS LEVEL 2.5



TRUE COLOUR VIEW



SHADETRONIC®
PROTECTION LEVELS 5-12



FADETRONIC



FIVE-POINT DETECTION



OPTREL RE-CHARGE



GRINDING MODE



ISOFIT® HEADGEAR



RESPIRATORY
PROTECTION

XXL PANORAMIC FIELD OF VIEW





The nose recess of the panoramaxx allows the auto-darkening filter to be moved closer to the eyes, resulting in a field of view that is up to six times larger than a standard welding helmet.

A HUGE CINEMA AND YOU CHOOSE THE FILM

Welcome to the big league. The **panoramaxx2.5** combines the enormous field of view with optrel's popular 2.5 technology, and offers excellent vision in every work situation. Whether for welding, cutting, grinding or straightening work. Whatever you want, the optrel **panoramaxx2.5** keeps up with your varied tasks completely automatically.



→ All info, accessories and replacement parts

Helmet system		Item no.	Technical data	
	optrel panoramaxx2.5 welding helmet black	1010.000	Protection levels	ShadeTronic® 5-12 manual 7-12
	optrel panoramaxx2.5 fresh air helmet black	4441.660	Brightness level	2.5
	Ready-to-Weld package panoramaxx2.5 with swiss air PAPR	4600.030	Adjustment	ShadeTronic® or manual
	Ready-to-Weld package panoramaxx2.5 with e3000X PAPR	4550.550	Activation	Automatic on/off, sleep mode
			Power supply	Solar cells, lithium polymer battery, chargeable via micro USB cable, battery life 300 to 500 charging cycles
			Sensitivity	Infinitely variable
			Switching time	Bright to dark: 0.09 ms at 23 °C 0.07 ms at 55 °C Dark to bright: 0.1 s to 2.0 s (with FadeTronic)
			Classification EN 379	1/1/1/2
			Operating temp.	-10 °C to +55 °C
			Storage conditions	Dark environment
			Total weight	575 g

CRYSTAL 2.0

You won't believe your eyes



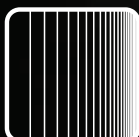
CRYSTAL LENS
TECHNOLOGY WITH
BRIGHTNESS LEVEL 2.0



TRUE COLOUR VIEW



SHADETRONIC®
PROTECTION LEVEL 4-12



FADETRONIC



SENSITIVITY
REGULATION



GRINDING MODE



RESPIRATORY
PROTECTION



HEAT-REFLECTIVE
COATING

CRYSTAL-CLEAR VIEW BEFORE, DURING AND AFTER WELDING

With **crystal2.0**, optrel offers brightness level 2.0 and CLT in the tried-and-tested sphere helmet shell. The light transmission here when inactive is 31 per cent.







The crystal-clear view when bright makes the **crystal2.0** the ideal combination helmet without having to make compromises. Colour perception when bright is already very close to the view through clear window glass. When dark, you get a detailed and high-contrast view of the weld pool with unprecedented clarity.



→ All info, accessories and replacement parts

sphere series



Helmet system		Item no.
	crystal2.0 welding helmet, silver	1006.900
	crystal2.0 fresh air helmet, silver	4441.900
	crystal2.0 welding helmet, black	1006.901
	crystal2.0 fresh air helmet, black	4441.901
	Ready-to-Weld package crystal2.0 with swiss air PAPR	4600.040
	Ready-to-Weld package crystal2.0 with e3000X PAPR	4530.050

Technical data

Protection levels	ShadeTronic® 4-12 manual 5-12
Brightness level	2.0
Adjustment	ShadeTronic® or manual
Activation	Automatic on/off, sleep mode
Power supply	Battery (approx. 3000 hrs operating time)
Sensitivity	Individually adjustable
Switching time	Bright to dark: 0.10 ms at 23 °C 0.07 ms at 55 °C Dark to bright: 0.05 s to 1.0 s (with FadeTronic)
Classification EN 379	1/1/1/2
Operating temp.	-10 °C to +70 °C
Storage conditions	Dark environment
Total weight	482 g

E 6 8 4

Experience the difference



TOP MARKS IN ALL
FOUR CATEGORIES



TRUE COLOUR VIEW



SHADETRONIC®
PROTECTION LEVEL 5-13



FADETRONIC



GRINDING MODE



RESPIRATORY
PROTECTION



HEAT-REFLECTIVE
COATING

THE FULLY AUTOMATIC SYSTEM WITH ULTRA-HD QUALITY





The auto-darkening filter of the optrel **e684** demonstrates top standard "I" in all four classifications for assessing image quality. It's the extremely good viewing angle dependency in particular that highlights the quality of the optrel auto-darkening filter and makes the optrel **e684** so pleasant to work with.

The adaptive protection level regulation adjusts the protection level as necessary in the range of 5 to 13 completely automatically. This is ensured by an additional brightness sensor that measures the intensity of the welding arc. So you always stay perfectly protected, no matter what parameters you are currently welding with. Manual adjustments are no longer necessary. But still possible at the push of a button, of course.

A specially developed UV/IR filter enables the realistic colour perception typical of optrel and brings colour into the welder's world.



→ All info,
accessories and
replacement
parts

Helmet system		Item no.	Technical data	
	e684 welding helmet	1006.500	Protection levels	ShadeTronic® 5-13 manual 5-13
	silver matt black	1006.501	Brightness level	4
	dark blue	1006.502	Adjustment	ShadeTronic® or manual
	e684 fresh air helmet	4441.600	Activation	Automatic on/off, sleep mode
	silver matt black	4441.601	Power supply	Solar cells, battery (approx. 3000 hrs operating time)
	dark blue	4441.602	Sensitivity	Individually adjustable
	Ready-to-Weld package	4600.050	Switching time	Bright to dark: 0.17 ms at 23 °C 0.11 ms at 55 °C
	e684 with swiss air PAPR			Dark to bright: 0.1 s to 2.0 s (with FadeTronic)
	Ready-to-Weld package	4550.460	Classification EN 379	1/1/1/1
	e684 with e3000X PAPR		Operating temp.	-10 °C to +70 °C
			Storage conditions	Dark environment
			Total weight	500 g
			Standards	CE, ANSI, EAC, AS/NZS, complies with CSA Z94.3

VEGAVIEW 2.5

Bright, brighter, vegaview



BRIGHTNESS LEVEL 2.5



TRUE COLOUR VIEW



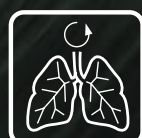
PROTECTION LEVEL 8-12



LIGHTWEIGHT



GRINDING MODE



RESPIRATORY
PROTECTION





FOR ALL THOSE WHO WANT TO SEE BETTER WHEN WELDING

The optrel **vegaview2.5** finally fulfils what is probably the most common wish among welders – a bright view. Its bright auto-darkening filter offers a view that is approximately 400% better than conventional automatic welding helmets when bright and at protection level 2.5. This means that the **vegaview2.5** is still at the forefront when it comes to clear visibility during welding.



→ All info,
accessories and
replacement
parts

sphere series

Helmet system		Item no.	Technical data	
   	vegaview2.5 welding helmet	1006.600	Protection levels	manual 8-12
	vegaview2.5 fresh air helmet	4441.800	Brightness level	2.5
	Ready-to-Weld package vegaview2.5 with swiss air PAPR	4600.060	Adjustment	Manual, external
	Ready-to-Weld package vegaview2.5 with e3000X PAPR	4580.050	Activation	Automatic on/off, sleep mode
			Power supply	Battery (approx. 3000 hrs operating time)
			Sensitivity	Individually adjustable
			Switching time	Bright to dark: 0.10 ms at 23 °C 0.07 ms at 55 °C Dark to bright: 0.05 s to 1.0 s (with FadeTronic)
			Classification EN 379	1/1/1/2
			Operating temp.	-10 °C to +70 °C
			Storage conditions	Dark environment
			Total weight	489 g
			Standards	CE, ANSI, EAC, complies with CSA

NEO P550

New, efficient, optimal



TRUE COLOUR VIEW



PROTECTION
LEVEL 9-13



DELAY FUNCTION



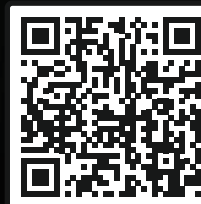
SLIM DESIGN



LIGHTWEIGHT

NEW DESIGN FOR EFFICIENT WORK AT AN OPTIMAL PRICE

The optrel **neo p550** combines the advantages of the tried-and-tested p550 helmet shell with optrel's outstanding anti-glare technology. Experience true colour vision now – even from the mid-price segment. Now with approx. 3000 hours of operational readiness thanks to a new energy concept. And with a response time of only 0.1 ms upon switching on the arc. Perfect protection and comfort for your eyes.



→ All info, accessories and replacement parts

Y series

Helmet system

Item no.



neo p550
welding helmet black

1007.000



neo p550
welding helmet green

1007.011



Ready-to-Weld package
neo p550
with **swiss air** PAPR

4600.080

Technical data

Protection levels	manual 9-13
Brightness level	4
Adjustment	Manual
Activation	Automatic on/off, sleep mode
Power supply	Solar cells, battery (approx. 3000 hrs operating time)
Sensitivity	Individually adjustable
Switching time	Bright to dark: 0.10 ms at 23 °C 0.10 ms at 55 °C Dark to bright: 0.05 s to 1.0 s
Classification EN 379	1/1/1/2
Operating temp.	-10 °C to +70 °C
Storage temperature	-20 °C to +70 °C
Total weight	495 g
Standards	CE, ANSI, EAC, AS/NZS, complies with CSA Z94.3

WELDCAP

Welding has never been so comfortable



JOIN THE REVOLUTION

The optrel **weldcap**® series offers automatic welding caps that combine the comfort of a baseball cap with the advantages of a full welding helmet. The comfortable and quick-to-remove textile part is made of flame-retardant material, and is hygienic and easy to wash.

The ergonomic nose recess of the optical unit provides an oversized field of view and conveys a whole new sense of space. The infinitely variable protection levels 9-12 cover the majority of all welding applications. Thanks to the bright view when open, the **weldcap**® is also perfectly suited to grinding work and plasma cutting.



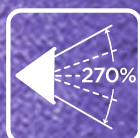
→ All info, accessories and replacement parts



PROTECTION LEVEL 9-12



SLIM DESIGN



EXTENDED FIELD OF VIEW



LIGHTWEIGHT



GRINDING MODE



EASY HANDLING



Welding cap

Item no.

Technical data



weldcap® RC 3/9-12

1008.000

Protection levels

manual 9-12

Brightness level

3

Cartridge

Ergonomic nose recess

Adjustment

Manual

Activation

Automatic on/off,
sleep mode

Power supply

Battery
(approx. 2000 hrs operating time)

Sensitivity

Individually adjustable

Switching time

Bright to dark:
0.16 ms at 23 °C
0.11 ms at 55 °CDark to bright:
0.35 sClassification
EN 379

1/1/1/2

Operating temp.

-10 °C to +60 °C

Storage conditions

Dark environment

Total weight

Approx. 360 g

Standards

CE (EN 379, EN 166, EN 175), ANSI
Z87.1, AS/NZS 1337/1338weldcap® bump RCB 3/9-12
with integrated bump cap

1008.001

weldcap® hard RCH 3/9-12
For use with industrial safety
helmet

1008.002

Ready-to-Weld package
weldcap® with **swiss air** PAPR

4600.100

HEAD PROTECTION

Fits like a glove



Item no. 5003.290

The optrel IsoFit® headgear is compatible with all optrel welding and grinding helmets. It can be adjusted in just a few seconds, and customised to any head size from S to XL.



Protection against stronger impacts and falling objects



Item no. 5002.840

N - PPE type 1 industrial bump cap
(not compatible with IsoFit® headgear)



Item no. 5003.530

halo – the comfort insert
for all optrel helmets
(not compatible with IsoFit®
headgear)

ACCESSORIES

Item no. 8000.100
Helmet rucksack – black/green



Item no. 8000.110
e3000X bag – black/green

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



Item no. 4028.016
Leather head and neck
protection – black



Item no. 4028.031
Leather head and neck protection
– black, for fresh air helmets



Item no. 4028.015
Leather chest
protection – black

FULL OF INNOVATIONS AND OPPORTUNITIES WELDING HELMETS AND CUTTING HELMETS FROM OPTREL

Modern welding helmets have many features that go far beyond simple glare protection. A crystal-clear view of the weld seam, pure colours and super-lightweight helmet designs are just a few examples.

With innovative welding helmets from optrel, you always work efficiently, comfortably and – above all – safely.



WELCOME TO THE WORLD OF OPTREL

protecting professionals since 1986

Your optrel dealer:



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