

weldcap®
radical. casual.



join the revolution!



product	part no.
weldcap® RC 3/9-12	1008.000
starter kit for optrel weldcap® 2x Front cover lens 1x Inside cover lens 1x Nose rest 1x Battery set	5002.740
front cover lens Set of 5 pcs	5000.260
inside cover lens Set of 5 pcs	5000.040
nose rest Set of 2 pcs	5002.700
textile cap Textile face and head protection	5002.800
battery cover Set of 2 pcs	5002.720
optrel parking buddy Hook for weldcap® and all optrel helmets	5002.900



proud award winner for outstanding design.



reddot award 2014
winner



product
design award

2014 GOLD

Red Dot
Product Design Award 2014

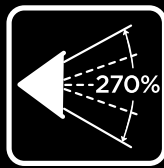
iF
Gold Design Award 2014



welding has never been so comfortable.

extensive field of vision

The heart of this innovative product is the optical unit featuring a well-defined nose cut out. Thereby the visual unit is placed closer to the eyes which enlarges the welder's line of sight by 2.7 times! This increases the lateral and the horizontal fields of vision and helps the welders performance and safety.



minimal weight

The optrel weldcap® weighs only 400 grams, so it is absolutely lightweight. Since the ADF is closer to the eyes, the weight of the product moves closer to its center of gravity, therefore increasing its stability and balance. The design eliminates pressure points and reduces strain on the welder's neck.



revolutionary wear comfort

The optrel weldcap® is an auto-darkening welder's cap that brings together the comfort of a casual cap and the advantages of a full welding helmet. The material combination of plastic and textile parts are unique. It is soft where it must be comfortable and rigid where it must be tough.



utmost protection

The textile part is robust, easily detached and made of washable flame retardant fabric. The optrel weldcap® is completely hygienic and classified for EN 379 and EN 175 F.



swift handling

The optrel weldcap® stands for a swift handling. Thanks to its special shape, it is very easy to take on and off. It can easily be parked with the optrel parking buddy. This also increases the productivity of the welder.



multi-purpose use

Darkening levels from 9 to 12 cover the majority of welding applications and with a protection level 3 in its general mode, the welder has a bright and well-lit view of the work-place. This feature predestinates the optrel weldcap® for grinding jobs as well.



join the revolution!

become a weldcapper.

Contact your local optrel dealer or visit our website for more information
www.optrel.com/weldcap

technical data

type description

Light weight compound welding mask; infinitely variable shade selection SL 9-12; grinding mode; low battery warning LED

power supply

2 pcs LI-batteries 3V exchangeable (CR2032)
(No need to switch on-off)

viewing area

Viewing angle downwards: +37°
Viewing angle sideways: +25°

battery life time

1000h operating time / 10'000h standby mode

sensors

Wide angle detection sensor

light transmittance

Ultraviolet/infrared protection
(maximum at any shade setting)

Visible range activated shade level	SL 9-12
Visible range not activated shade level	SL 3

switching time

Light to dark at room temperature	0.16 ms
Light to dark at 55°C / 131°F	0.110 ms
Dark to light	0.3 s

classification

EN 379	optical class 1/1/2/2
EN 175	Impact resistance, class F (weldcap)
EN 166	Impact resistance, class B (only front cover lens)
AS/NZS 1337.1	Impact resistance, class F (weldcap)
	Impact resistance, class B (only front cover lens)
ANSI Z87.1	Impact resistance, class Z87+

classification textile

EN ISO 11611	Class 1
EN ISO 16612	Class A/B/C1/E3/F1

shape stability

Welding mask up to 180°C / 356°F
Front cover lens up to 135°C / 275°F

grinding mode

Shade level DIN 3

operation temperature

-10°C to +60°C / 14°F to 158°F

storage temperature

-20°C to +80°C / -4°F to 176°F

weight helmet

Complete approx. 400g

application range

All electric arc welding processes
Elektrode welding (Stick Welding, SMAW) / MIG / MAG GMAW) / GMAW
High melting rate process / Flux Cored Wire Welding / TIG welding
(GTAW / Plasma Arc Welding / Micro Plasma Arc Welding / Plasmacut ting & Oxy-gas Welding / Grinding.
Prohibited for laser welding!

standards

CE (EN 379, EN 166, EN 175)
ANSI Z87.1, AS/NZS 1337/1338

warranty

2 years (except textile cap and batteries)



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