

weldcap®
radical. casual.

optrel
swiss made 



join the revolution!

**bump cap model
now available!**

weldcap[®]

radical. casual.

optrel, the global innovator of autodarkening filter technology for welding helmets, has reinvented the welding helmet with a radical, casual new design: weldcap[®].

The new optrel weldcap combines the lightweight wear comfort of a baseball cap with the full protection of an ADF welding helmet. weldcap is soft where it needs to be comfortable, rigid where it needs to be tough — combined with an extensive field of view that expands a welder's line of sight by 2.7 times.





welding has never been so comfortable.

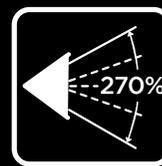
revolutionary wear comfort

weldcap® raises the bar for the ultimate in wear comfort by combining the comfort of a baseball cap with the full protection of an auto-darkening welding helmet. weldcap's lightweight, flame-retardant textile is soft where it must be comfortable and its robust plastic is rigid where it must be tough, while meeting the ANSI Z87.1 standard for impact resistance.



extensive field of view

At the heart of its technical innovation is weldcap's optical unit, which features a well-defined nose cut out that places the lens closer to the eyes, enlarging the welder's line of sight by 2.7 times! This increases the lateral and horizontal fields of view, improving welders' overall performance and safety.



lightweight design

With its innovative textile and plastic design, the weldcap weighs less than 14 ounces — lighter than most traditional welding helmets! Its snug baseball cap fit and a lens placed closer to the eyes allows weldcap to sit more comfortably on the welder's head. This improves its overall stability and balance, eliminating unnecessary pressure and neck strain.



swift handling

weldcap stands for swift handling. Thanks to its baseball cap-inspired design, it can be taken on and off very quickly. weldcap easily attaches to the welder's belt with the optrel parking buddy, improving its accessibility to the welder.



NEW! bump cap model

For welders and metal fabricators who require additional head protection as they work, weldcap is now available with a bump cap insert. Available fully assembled with a bump cap or as a textile and cap kit that can be used with an existing weldcap ADF mask.



grind mode

With a shade level 3 in its light state, welders have a bright and well-lit view of their work space, making weldcap ideal for grinding jobs.



join the revolution!

become a weldcapper today.

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

Ordering Information

product	part no.	product	part no.
weldcap®	1008.000	Nose Rest (2 pcs)	5002.700
NEW! weldcap bump cap	1008.001	weldcap Replacement Textile	5002.800
weldcap Starter Kit <i>Front Cover Lens x2, Inside Cover Lens x1, Nose Rest x1, CR2032 Battery x2</i>	5002.740	weldcap Replacement Textile w/ Bump Cap	5002.810
Front Cover Lens (5 pcs)	5000.260	Battery Cover (2 pcs)	5002.720
Inside Cover Lens (5 pcs)	5000.040	optrel Parking Buddy Belt Clip	5002.900

Technical Specifications

Description	Light weight compound welding mask; infinitely variable shade selection Shade Level 9-12; grinding mode; low battery warning LED	Classification EN 166 Classification EN 175	Front Cover Lens B Helmet Shell F
Shade Level	3/9-12	Shape Stability	Welding Mask: up to 180°C / 356°F Front Cover Lens: up to 135°C / 275°F
Grinding Mode	Shade Level 3	Protection for ADF	Spherically shaped front cover lens with patented seal, which makes it suitable for overhead welding
Power Supply	2 Li-batteries 3V (CR2032) No need to switch on/off	Welding Applications	All Electric Arc Welding processes Electrode 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 • Plasma Cutting & Oxy-Gas Welding • Grinding <i>Prohibited for laser and gas welding, and overhead welding!</i>
Battery Operating Time	Approx. 1,000 hours (10,000 stand by)	Scope of Delivery	Welding Mask with Textile Cap, & 2 CR2032 Batteries
Sensors	Wide angle detection sensor	Standards	ANSI Z87.1 Complies with CSA Z94.3 CE (EN 379, EN 166, EN 175)
Viewing Angle	Downwards +37° Sideways +25°	Warranty	Two years from date of sale for manufacturing and material defects (excluding textile cap and batteries)
Light Transmittance	Visible Range Activated: Shade Level 9-12 Visible Range Not Activated: Shade Level 3	Disclaimer	weldcap Bump Cap is not intended for use a head protection in situations where ANSI or CSA compliant head protection is required.
Eye Protection (UV / IR)	Maximum protection at any shade setting		
Switching Time <i>from light to dark</i>	0.16 ms at room temperature 0.110 ms at 55°C / 131°F		
<i>from dark to light</i>	0.3 ms		
Operating Temperature	-10°C to + 60°C / 14°F to 158°F		
Storage Temperature	-20°C to + 80°C / -4°F to 176°F		
Weight	400g / 14.1 oz		
Classification EN 379	Optical Class 1 Scattered Light 1 Homogeneity 2 Angular Dependence 2		



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