


weldcap[®]
radical. casual.



TECHNICAL DATA SHEET

Automatically better welding
swiss made 

SWIFT
HANDLING

REVOLUTIONARY
WEAR **COMFORT**

MULTI-PURPOSE **USE**

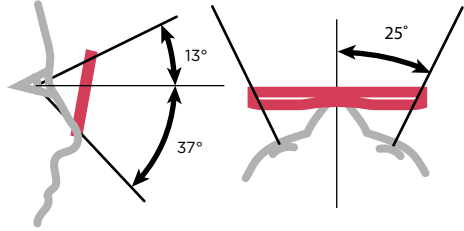


EXTENSIVE FIELD
OF **VIEW**

MINIMAL **WEIGHT**

TOP MOST **PROTECTION**

Preliminary Technical Data

Type description	Light weight compound welding mask with large viewing area, automatic darkening filter and bright see-through state; shade selection DIN 9 - 12; infinitely variable by an adjustment knob; 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°	
Operating time batteries	1000 h	
Sensors	Wide angle detection sensor	
Light transmittance	Ultraviolet/infrared protection (maximum at any shade setting) Visible range activated shade level DIN 9-12 Visible range not activated shade level DIN 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
Classification EN 379	Optical class	= 1
	Scattered light	= 1
	Homogeneity	= 2
	Angular dependence	= 2
Classification EN 175	B (120m/s impact resistance)	
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	
Material	Rigid plastic face shield and flame retardent textile according to EN ISO 11611 (Class 1) and EN ISO 11612 (Class A/B1/C1/E3/F1)	
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 cpl.	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	Pending for EN 175, (planned: CE ECS, ANSI, AS/NZS, GOST-R, complies with CSA Z94.3) Patent pending (www.optrel.com/patents)	
Warranty	2 years (except textile cap and batteries)	

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