HELIX
SERIES

HARD WORK NEVER LOOKED SO GOOD



optrel®
swiss made

SEE
WHAT YOU
CAN DO

For hard and toughest working conditions



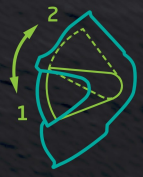
HELIX

System weight
620g only

The fully integrated slide-up welding helmet with internal ADF and super-compact dimensions with minimal weight.

Equipped with adaptive ShadeTronic® technology, a panoramic field of vision, IsoFit® headgear and the new optrel hardHat industrial safety helmet.

This means: all work in the most unreal working environments
- **without helmet change during welding and also during grinding/cutting,**
- **with the largest possible field of vision,**
- **with the lowest possible strain on the neck muscles and**
- **with maximum comfort.**



Shade-Level
14*
*depending on model



Field of view





FADETRONIC



rechargable

Slide-up function

Two visor positions for welding [1] and with clearview for grinding and other work [2]

Minimizer for even more compact shape in tightest environments



IsoFit® Headgear for maximum individual adjustment options



optrel hardHat industrial safety helmet according to EN 397 standard, available in black or white

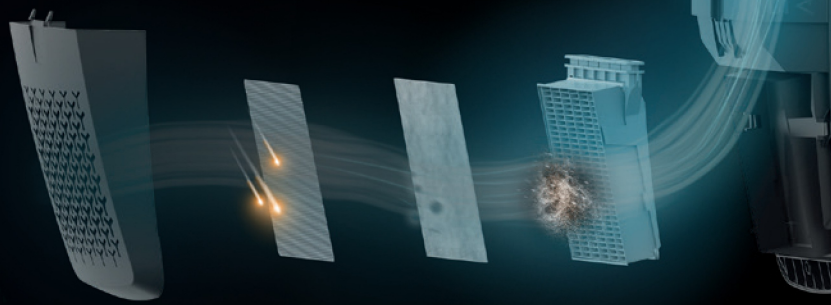




Optimally expandable with the swiss air TH3 PAPR system from optrel.

TH3 certified

NO FIT TEST NECESSARY



AVAILABLE IN THREE VERSIONS
TECHNICAL DATA







	HELIX QUATTRO	HELIX CLT	HELIX 2.5
	Item no. 1050.100	Item no. 1050.200	Item no. 1050.000
Panorama XXL field of view clearview	✔ 180°	✔ 180°	✔ 180°
Weight helix welding helmet incl. IsoFit® Headgear	620 g	640 g	620 g
optrel hardHat (EN397 standard)	✔	✔	✔
ShadeTronic® (fully automatic protection level adjustment, stepless, can be switched off)	✔	✔	✔
Overhead welding and welding in extreme positions	✔	✔	✔
Position Locker (safe open and closed helmet position)	✔	✔	✔
Ampere range	up to 500 A Shade levels 4 – 14*	up to 280 A Shade levels 4 – 12	up to 280 A Shade levels 5 – 12
Light state	3.0 / 4.0*	2.0	2.5
FadeTronic (Twilight Mode)	✔	✔	✔
EN 379 Classification	1/1/1/1	1/1/1/2	1/1/1/2
optrel IsoFit® headgear	included	included	included
Energy supply	solar cells, Li polymer battery pack, chargeable via Micro-USB Battery life range 300 to 500 charging cycles		
Sensoric	Five Sensors	Five Sensors	Five Sensors
Sensitivity	continuously, new with “Super High” sensitivity		
Shape stability	Mask: up to 220°C, Front cover lens: up to 137°C		
Eye protection	UV/IR protection: maximum protection at all shade levels		
Fields of Application	All electric 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 / Plasma Cutting / ***Not suitable for gas and laser welding!*** Grinding with clearview (180° field of view)		
Standards	CE, UKCA, ANSI, EAC, AS/NZS, meets CSA Z94.3 standard meets pr ISO 16321 standards „WIG+“ („low amp Tig“ procedure)		
Warranty	2 years for manufacturing and material defects, 6 months for battery 1 year additional (battery excluded) for online product registration within the first 6 months (from date of purchase) on optrel.com/register		

* with additional protective lens SN+1

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