

HELIX SERIES

HARD
WORK
NEVER
FEELS
EASY



SEE
WHAT YOU
CAN DO

For hard and toughest working conditions



HELIX

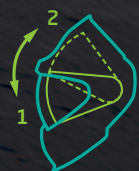
System weight
620g only

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



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

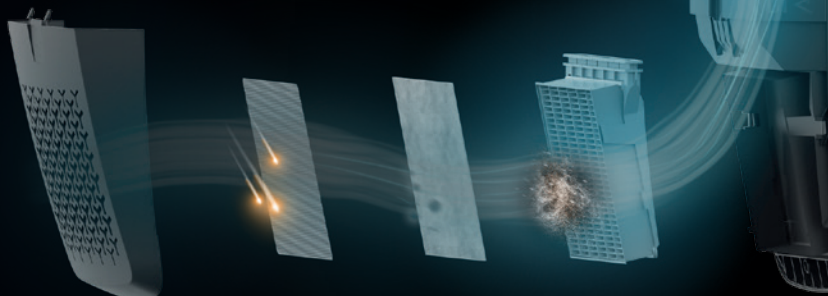
IsoFit® Headgear for maximum individual adjustment options



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.



AVAILABLE IN THREE VERSIONS

TECHNICAL DATA



**HELIX
QUATTRO**

Item no. 1050.100



**HELIX
CLT**

Item no. 1050.200



**HELIX
2.5**

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](https://www.optrel.com/register)

* with additional protective lens SN+1

