

BOP ENERGY 3000

Industrial helmet

Main applications:

- ✓ Energy providers
- ✓ Public utility companies
- ✓ Jobs with high UV exposure
- ✓ Hot industries
- ✓ Chemical industry
- ✓ EN Railway companies

Product benefits:

- ✓ For use in work under voltage or in the vicinity of parts under voltage of up to AC 1000 or DC 1500 V (as per DIN EN 50 365)
- ✓ Electrical insulation as per DIN EN 397
- ✓ Conducts a maximum of 1.5 mA at 3000 V into the inner shell
- ✓ Protection from accidental arcing
- ✓ Dimensionally stable at high temperatures
- ✓ High lateral rigidity
- ✓ Insensitive to chemicals
- ✓ Improved force absorption in the event of side impacts through special padding strips (SP)

Sizes:

	1	2	3
	Head size range in cm:		
	52-56	53-61	59-63

Colours:¹

		52-56	53-61	59-63
	Natural fibre look	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	White RAL 9016	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Yellow RAL 1023	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Blue RAL 5017	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Red RAL 3020	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Green RAL 6024	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Orange RAL 2009	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Grey RAL 7042	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brown RAL 8007	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Black RAL 9017	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Special colours (on request)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Luminescent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Metallised	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Certification:

<input checked="" type="checkbox"/> DIN EN 397 European standard for industrial safety helmets	<input type="checkbox"/> ANSI American standard for work safety helmets	<input type="checkbox"/> DIN EN 812 European standard for bump caps
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Additional safety characteristics:

Antistatic to DIN EN 1127-1	<input type="checkbox"/>	
Safety characteristics at low temperature	<input type="checkbox"/>	
Electrically insulating helmet in accordance with DIN EN 50365	<input checked="" type="checkbox"/>	
Electrical safety characteristics ²	<input checked="" type="checkbox"/>	
Heat-relevant safety characteristics	<input checked="" type="checkbox"/>	
Lateral stress characteristics	<input checked="" type="checkbox"/>	

Key:

- Items supplied/as standard
- Partially as standard
- Optionally available
- Not available

¹ Applies to standard suspensions I/79 G, I/79 GD, I/79-4G, I/79 GY, I/91 G
² Only for helmet versions without ventilation
³ Only in conjunction with suspension I/79 GW
⁴ Suspension may not be available with all helmet sizes and helmet colours
⁵ For jobs with high heat exposure (in relation to the surrounding atmosphere)
⁶ Not for size 2 and suspensions I/79 G (AS version), I/79 GD (AS version), I/80 B, I/52 RENL
⁷ Not for suspensions I/80 D, I/80, I/80 Y, I/BC, I/7B; only partially for I/80 B
⁸ Only for suspensions I/79 G, I/79 GD, I/79-4G, I/79 GY and AS versions



Outer shell: Straight helmet shape

Helmet shell material:

Duroplastic		Thermoplastic	
<input checked="" type="checkbox"/> UP-GF glass fibre reinforced unsaturated polyester	<input type="checkbox"/> PF-SF textile/phenolic resin	<input type="checkbox"/> HDPE high-density polyethylene	<input type="checkbox"/> ABS ABS-copolymer

Alternative suspension:

Type	AS	Description	SP	P	SB
<input type="checkbox"/> I/79 GD	✓	6-point webbing	-	✓	✓
<input type="checkbox"/> I/80 D	-	6-point plastic spider	-	✓	-
<input checked="" type="checkbox"/> I/79 G	-	6-point webbing	✓	-	✓
<input checked="" type="checkbox"/> I/79 G-R	-	6-point webbing	✓	-	✓
<input checked="" type="checkbox"/> I/52 RENL	✓	6-point spring band steel with textile strap	-	-	✓

AS = version for eye protection SP= special padding strips P = padding strips SB = sweatband

Other helmet equipment (ex works):

<input type="checkbox"/> Accessory slot 16 mm	<input type="checkbox"/> Accessory slot 30 mm	<input type="checkbox"/> Integrated eye protector ⁶
<input type="checkbox"/> Side vent (adjustabel)	<input type="checkbox"/> Without side vent if required	<input type="checkbox"/> Crown vent
<input type="checkbox"/> Rain gutter	<input type="checkbox"/> Smaller helmet peak	<input type="checkbox"/> Hole on helmet peak
<input type="checkbox"/> Sweatband imitation leather ⁷ (SB)	<input checked="" type="checkbox"/> Sweatband natural leather ⁷ (SB)	<input checked="" type="checkbox"/> Special padding strip white (SP)
<input type="checkbox"/> Lamp holder	<input type="checkbox"/> Cable loop	<input checked="" type="checkbox"/> Chinstrap holder
<input checked="" type="checkbox"/> All-round reflective foil		

Adaptable accessories:

<input checked="" type="checkbox"/> Face shield	<input checked="" type="checkbox"/> Nape protector	<input checked="" type="checkbox"/> Ear defender
<input type="checkbox"/> 2-point chinstrap	<input checked="" type="checkbox"/> 4-point chinstrap ⁸	<input type="checkbox"/> Special chinstrap
<input checked="" type="checkbox"/> Imitation leather sweatband	<input checked="" type="checkbox"/> Natural leather sweatband	<input checked="" type="checkbox"/> Sweatband Coolmax [®] (SB)
<input checked="" type="checkbox"/> Special padding strip white (SP)		

Marking surface (for company logo, etc.):

Method	Front (BxH)	Side (BxH)	Back (BxH)
Hot stamping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pad printing	<input checked="" type="checkbox"/> 2,3 x 3 cm	<input checked="" type="checkbox"/> 9 x 3 cm	<input type="checkbox"/>

Reference weight:

Helmet shell size 2: approx. 475 g