# **HEAD PROTECTION**





# DISTINCTIVE SHAPE OF SAFETY

Millions of industrial safety helmets are manufactured on JSP's state of the art production lines each year. Every JSP Evolution® helmet is unique and offers the ability to trace its life cycle from the raw material to the end of its life.

All JSP safety helmets feature the 'shield' shape on the front, unique to JSP, which gives an assurance of outstanding head protection, exceptional quality and durability.

JSP urges wearers to look for the Shield, to know they are protected should the worst happen. More information can be found at www.jsp-shield.com



# **TRUSTED**

For over 40 years JSP safety helmets have prevented many injuries and even deaths. An example of this was when a 918 gram bolt dropped from a height of 25 metres hitting a construction worker's JSP safety helmet. The helmet outperformed the requirements of the EN397 standard by OVER 4.5 times! The construction worker was back at work after medical checks and a few days rest.







JSP safety helmets are manufactured under both the ISO9001:2008 Quality Management System (QMS) and the British Standard Institution's (BSI) Kitemark™ scheme. This ensures strict material selection, manufacturing control and batch testing for all of our safety helmets. JSP helmets not only comply with but significantly exceed all relevant international performance standards.



# **TRACEABLE**

The JSPCheck™ system helps identify the authenticity of any JSP Mk Evolution® helmet. JSPCheck™ uses the helmet's unique manufacturing barcode to give complete product traceability. It pinpoints the exact location, time and date of manufacture, giving the wearer peace of mind that the helmet they have will keep them safe. To find out more visit www.jspcheck.com





# KNOW YOUR HELMET'S DNA

JSPCheck<sup>™</sup> - the first online verification system enabling you to check the DNA of your PPE - giving assured protection and traceability.

JSP has introduced JSPCheck<sup>™</sup>, a unique online checking system for each and every one of its Mk Evolution<sup>®</sup> safety helmets. Every JSP Mk Evolution<sup>®</sup> safety helmet is manufactured with its own unique manufacturing barcode. Each barcode reveals everything about the individual DNA of that helmet – the date and time of manufacture to the very second, the materials used, the machine settings, the relevant batch testing information.



JSPCheck™ enables end users to access this full product traceability system to validate their helmet. Performing JSPCheck™ is quick and easy by accessing www.jspcheck.com, follow the two easy steps and then simply click 'Verify'. The user will receive JSP's response in their inbox in less than one minute. The check can be performed on any PC, laptop, tablet or smart phone from anywhere in the world.

The JSPCheck™ system was a contributing factor in JSP being awarded the prestigious Frost and Sullivan 2014 European Head Protection Market Leadership Award.







"The JSPCheck™ system makes each JSP hard hat traceable and gives assurance to the end user regarding the quality of the product. Consequently, the company has been able to position itself as a supplier of reliable head protection."

Shray Sharma - Research Associate Frost & Sullivan

"This is a very reliable way to establish the authenticity of the product, being able to identify attempted replicas of much less performance."

James Bednarz - Health & Safety Officer Thomas Vale Construction

"Excellent traceability so that in the event of an incident you can get back to the headgear's birthplace."

Peter Hopkins - Principal Consultant Richard Lawrence Associates

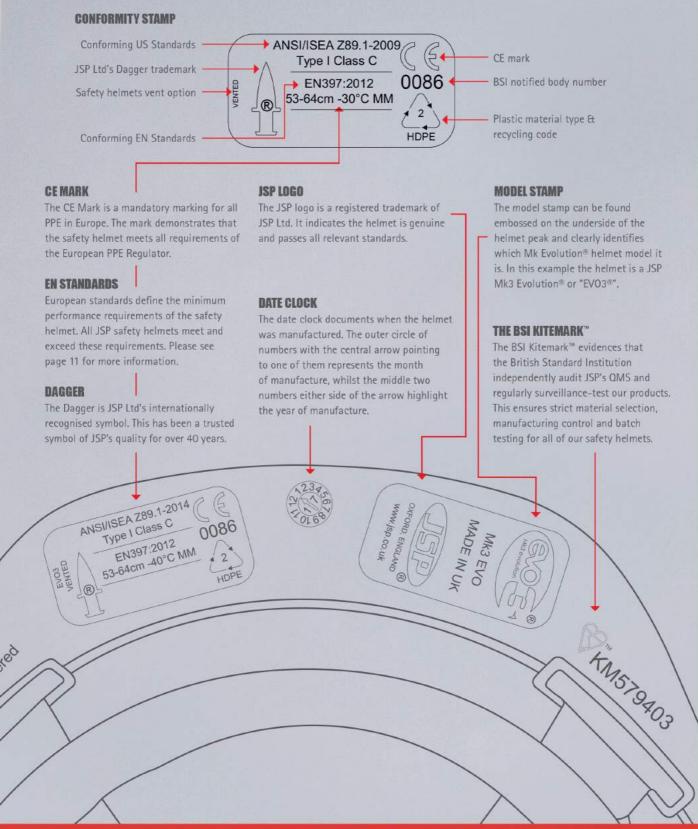
### www.jspcheck.com





# JNDERSTANDING JSP SAFETY HELMET MARKING

JSP safety helmets are manufactured under both the ISO9001:2008 Quality Management System (QMS) and the British Standard Institution's (BSI) Kitemark™ scheme. They not only comply with but significantly exceed all relevant international performance standards. See below for a guide to the markings found on your JSP safety helmet.



# STAR RATING SELECTION GUIDE



JSP's Star Guide is based on the ability of a helmet to absorb impact energy measured in Joules (J) and the perceived RISK to the user from their working environment.



Objects ARE falling or swinging around. HIGH RISK of side impact.

Ultimate energy absorption

EN14052

Testing requirements

#### or swinging around. RISK of side impact. 110+ JOULES

**80 - 110 JOULES** Ultimate energy absorption

Objects MIGHT be falling

### EN12492 / EN397

Testing requirements

Flat Penetration Shock absorption



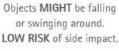
Objects MIGHT be falling or swinging around. LOW RISK of side impact.

#### 80 - 110 JOULES

#### EN397

Testing requirements





#### 80 - 110 JOULES

#### EN397

Testing requirements











- Wind energy
- Scaffolding & construction
- Telecoms & utilities





- Construction
- Transport maintenance
- M Engineering & utilities





- Construction
- Transport maintenance
- 🌠 Engineering & utilities

### **EN STANDARDS** EXPLAINED

Heavy construction

Mining, tunnelling

Demolition, refinery

#### EN14052 - HIGH PERFORMANCE **INDUSTRIAL SAFETY HELMETS**

The specification includes the requirement for side impact protection. Tests require that the shell is subjected to a total of 150J of impact energy, 100J to the top of

the helmet and 50J to the side (up to 60° from the crown) of the helmet. Penetration testing is also required with a "blade" striker being dropped from 2.5m to give an impact energy of 25J on to the top of the helmet and on to the side of the helmet with an impact energy of 20J from 2m.

#### EN12492 - MOUNTAINEERS HELMETS

A helmet complying to the mountaineering standard is impact tested with two 5kg strikers. A hemispherical striker is dropped from 2m onto the crown of the helmet and a flat striker from 500mm on to the front, rear or side by tilting the headform to 30°. In all cases, the transmitted force through the neck of the headform must not exceed 10kN. Two penetration tests with a 3kg pointed striker are also performed within a 50mm radius of the helmet's crown without making contact with the headform. \*Meets the shock absorption and impact test of EN397.





Objects MIGHT be falling or swinging around. LOW RISK of side impact.

### 80 - 110 JOULES

**EN397**Testing requirements







- Construction
- Transport maintenance
- M Engineering & utilities



MINIMAL RISK of objects falling. MINIMAL RISK of side impact.

#### 50 - 80 JOULES

Ultimate energy absorption

#### EN397

Testing requirements







- Construction
- Transport maintenance
- M Engineering & utilities



Protecting from BUMPS AND SCRAPES to the top and side of the head.

#### **12 JOULES**

Ultimate energy absorption

#### **EN812**

Testing requirements









- ✓ Internal telecoms work
- Manufacturing
- ✓ Light maintenance



Protecting from BUMPS AND SCRAPES to the top of head.

#### **12 JOULES**

Ultimate energy absorption

#### **EN812**

Testing requirements









- Internal telecoms work
- Manufacturing
- Light maintenance

#### EN397 - INDUSTRIAL SAFETY HELMETS

This standard goes back over 50 years and testing is only carried out to the top of the helmet. A 49J impact only to the crown of the helmet measures the shock absorption and a penetration test with a 3kg conical striker from 1m. There is no side impact test in this standard only a lateral rigidity test, which is a slow, progressive force loading, and is not an impact test.

## EN50365 - ELECTRICAL INSULATION FOR INDUSTRIAL SAFETY HELMETS

An additional specification for helmets used for working live installations up to 1000V. Testing is carried out at voltages of 10,000V (On non-vented). The EN50356 standard is marked on the helmet with a sticker.

#### EN812 - INDUSTRIAL BUMP CAPS

This specification requires the cap being

hit four times by a 5kg flat steel striker falling with 12 Joules of energy. A bump cap is intended to provide protection against bumps and scrapes to the head, it should not be used where falling or thrown objects are likely and should not be used where an industrial safety helmet is required.



<b>S</b> EN14052	EN12492	Multi-Standard (ANSI, CSA, GB)	EN397	EN812	Impact resistance	Side impact	aal ion	eral Ition	lten	A			
V					Imp	Side	Electrical insulation	LD - lateral deformation	MM - molten metal	+50°C	-30°€	-40°C	
			<b>✓</b>		100 Joules	50 Joules	Unvented version EN14052 - 440V		<b>*</b>	*	Ma	⋙	
	V		*		100 Joules	50 Joules		<b>V</b>	<b>#</b>	*	Ma	₩s	
		**	V		50 Joules		Unvented version EN50365 - 1000V	V	<b>4</b>	*	Ma	<u>≱&amp;</u> •	
			Z		50 Joules		Unvented version EN50365 - 1000V		<b>#</b>	*	Ma		
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				V	4	4				*		<b>≱</b> &⊾	
				<b>V</b>	12x4 Joules					*		<b>≥</b>	
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<sup>\*</sup> Mandatory shock absorption & penetration requirements

<sup>\*\*</sup> Also includes international standards ANSI Z89.1 (USA), CSA Z94.1 (Canada), GB2B11 (China)



# **QUICK REFERENCE & SELECTION GUIDE**

SHELL			HARNESS				OPTIONS: GENERAL				SPECIALIST			LOGO PRINTING					
ABS	HDPE	Recyclable	DPE	Textile	Depth adjustment	Wheel ratchet	Slip ratchet	Reduced peak sizes	Ventilated	Reflective option	Integrated eyewear	ID card holder	Universal Accessories slots	4-pt chinstrap	Lamp bracket & cable loop	Side	Rear	Front	Individual name
	V			V	3()	R			V				V	V	V	0		٨	
<b>√</b>		\$		V	3()	R		As standard	As standard	gg,		V	V	V		0	٩	9	8
<b>√</b>		\$		V	3()	R		V	V	8	V	V	V	M		٩	٨	٨	8
	V			V	30)	R		M	<b>V</b>	8	<b>V</b>	<b>√</b>	V	V	V	8	8	8	0
	<b>✓</b>		V		3()			V	V	82		V	V	V		8	٨	0	0
<b>✓</b>		83		V	30)	R		V	V	8	<b>V</b>	V	V	V		8	0	8	0
	V						V	<b>✓</b>	V	As standard						8		0	0
	<b>V</b>	8					V	V	<b>.</b> ⁄	As standard						٨		0	8

R - Revolution™ wheel ratche







# **EVO®8** THE WORLD'S STRONGEST INDUSTRIAL SAFETY HELMET







The high density EPS liner and shell design mean that the EVO®8 can withstand impacts to a very large area of the helmet rather than just the crown, making it suitable for the most extreme environments.





#### **EPS LINER**

Side, front and rear impact protection from the shock absorbing EPS liner. The liner is vented to increase comfort whilst maintaining a high protection factor.



#### LUXURY COMFORT

Extremely comfortable terylene webbing moulds to the individual wearer's head. Lightweight EPS liner reduces weight while still offering maximum protection.



#### 3D ADJUSTMENT

The textile harness features unique 1-2-3 point depth settings. This offers the most precise fit attainable on an industrial safety helmet.



#### VENTILATION OPTION

Side and rear ventilation for optimum air movement inside the shell, reducing helmet temperatures by an average 2-3 degrees.



#### **ADJUSTMENT**

Intuitive thumb and fore finger press points for easy adjustment of the wheel ratchet, offers diverse size ranges for true 'One Size Fits All'.



#### **ACCESSORIES**

A universal attachment slot enables firm fitting of a range of Surefit<sup>®</sup> safety visors, and ear defenders. Full accessories range from page 29.





AHU150-00\_-\_00

Qty 8

AHS150-00\_-\_00

EVO®8 Industrial

Qty 8



EVO®8 Industrial - vented

EVO®8 RAILWAY EN14052

Unvented, plastic lamp bracket and lamp with CREE Q5 LED.

AHS156-10\_-\_00 EVO®8 Railway Qty 8 LED lamp for EVO®8 Railway Qty 8



Fitted with 4-point mounted chinstrap.

EVO®8 Linesman

Qty 8

# **EVOLITE® SKYWORKER™**THE SKY'S THE LIMIT

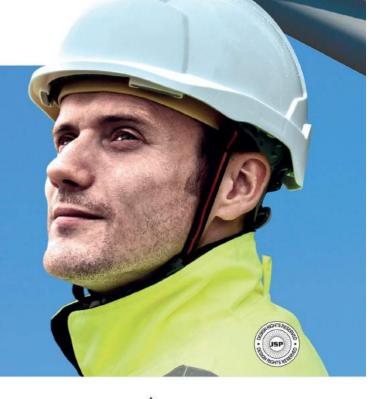






The EVOLite® Skyworker™ helmet has a suspension system and shell structure that has been designed to be used for industrial, mountaineering, rescue and leisure activities.







#### **EPS LINER**

Side, front and rear impact protection from the shock absorbing EPS liner. The liner is vented to increase comfort whilst maintaining a high protection factor.



#### SUPREME COMFORT

6-point terylene cradle harness system with 3D adjustment offering1-2-3 point harness depth settings and an Egyptian cotton Chamlon™ sweatband.



#### VENTILATION OPTION

Side and rear ventilation for optimum air movement inside the shell, reducing helmet temperatures by an average 2–3 degrees.



#### MOST SECURE FIT

Fully adjustable 4-point chinstrap with quick release buckle. Easy to use Revolution® wheel ratchet and 3D adjustment that offers 1-2-3 point harness depth settings for a perfect fit.



#### CR2™ REFLECTIVE

Using Class RA2, high intensity reflective. CR2" is the biggest step-up in night time visibility/reflectivity of head protection to date. Conforms to Class RA2, EN12899-1.



#### ACCESSORIES

A universal attachment slot enables firm fitting of a range of Surefit" safety visors and ear defenders.







**EVOLITE® SKYWORKER™ HEIGHT SAFETY HELMET**EN12492 EN397 (meets EN397 mandatory shock absorption and penetration requirements)



Qty 1

# EVO\*5 OLYMPUS\* WORLDWIDE PROTECTION













#### **TEXTILE HARNESS**

A 6 point terylene cradle harness system & Egyptian cotton Chamlon™ sweatband offers unrivalled comfort.



#### **3D ADJUSTMENT**

The textile harness features unique 1–2–3 point depth settings. This offers the most precise fit attainable on an industrial safety helmet.



#### VENTILATION OPTION

Side and rear ventilation for optimum air movement inside the shell, reducing helmet temperatures by an average 2–3 degrees.



#### **FIRMEST FIT AVAILABLE**

The deep nape strap enables the firmest retention of any helmet, keeping it firmly rooted on the head. The Revolution\* wheel ratchet makes it simple to tighten to the perfect fit.



#### CR2™ REFLECTIVE

Using Class RA2, high intensity reflective. CR2" is the biggest step-up in night time visibility/reflectivity of head protection to date. Conforms to Class RA2, EN12899-1.



#### **ACCESSORIES**

A universal attachment slot enables firm fitting of a range of Surefit\* safety visors and ear defenders. EVOSpec\* Integrated eyewear is also available.







# **EVO®3** THE PERFECT BLEND OF STRENGTH AND COMFORT







In tests, the EVO\*3 proved far tougher than the EN397 standard required, and far tougher than any of its competitors.





#### SUPREME COMFORT

A 6-point terylene cradle harness system & Egyptian cotton Chamlon™ sweatband offers unrivalled comfort.



#### 3D ADJUSTMENT

The comfortable textile harness features unique 1–2–3 point depth settings, offering the most precise fit attainable on an industrial safety helmet.



#### VENTILATION OPTION

Side and rear ventilation for optimum air movement inside the shell, reducing helmet temperatures by an average 2-3 degrees.



#### FIRMEST FIT AVAILABLE

The deep nape strap enables the firmest retention of any helmet, keeping it firmly rooted on the head. Available with either the Revolution® wheel ratchet or the OneTouch® slip ratchet.



#### CR2™ REFLECTIVE

Using Class RA2, high intensity reflective. CR2" is the biggest step-up in night time visibility/reflectivity of head protection to date. Conforms to Class RA2, EN12899-1.



#### **ACCESSORIES**

A universal attachment slot enables firm fitting of a range of Surefit\* safety visors and ear defenders. EVOSpec\* Integrated eyewear is also available.





### EVO®3-REVOLUTION® WHEEL RATCHET / MID & MICRO PEAK

AJF170-00 - 00

Qty 10 EVO®3 - mid peak, wheel ratchet, vented EVO®3 - mid peak, wheel ratchet Qty 10 AJH170-00\_\_00

EVO®3 - micro peak, wheel ratchet, vented Qty 10 EVO®3 - micro peak, wheel ratchet Qty 10





#### EVO®3-ONETOUCH™ SLIP RATCHET/MID&MICRO PEAK EN397

AJF160-00 - 00

EVO®3 - mid peak, slip ratchet, vented Qty 10 Qty 10 EVO®3 - mid peak, slip ratchet

EVO®3 - micro peak, slip ratchet, vented Qty 10 EVO®3 - micro peak, slip ratchet Qty 10



AJE169-30\_-\_00

EVO®3 Miners

Qty 10



EVO®3 Linesman - wheel ratchet

EVO®3 Linesman - slip ratchet Qty 10

Qty 10

**EVO®2** THE PERFECT BLEND OF ECONOMY AND STRENGTH







The EVO®2 safety helmet features the same shell as the EVO®3 but has a traditional 6-point polyethylene harness.





#### SUPREME COMFORT

A traditional 6-point polyethylene harness making the EVO®2 the more economical choice, whilst still providing the same high performance as the EVO®3.



#### 3D ADJUSTMENT

The polyethylene harness features unique 1-2-3 point depth settings. This offers the most precise fit attainable on an industrial safety helmet.



#### VENTILATION OPTION

Side and rear ventilation for optimum air movement inside the shell, reducing helmet temperatures by an average 2–3 degrees.



#### **TIRMEST FIT AVAILABLE**

The deep nape strap enables the firmest retention of any helmet, keeping it firmly rooted on the head. The OneTouch" slip ratchet makes it simple to tighten to the perfect fit.



#### CR2™ REFLECTIVE

Using Class RA2, high intensity reflective. CR2<sup>™</sup> is the biggest step-up in night time visibility/reflectivity of head protection to date. Conforms to Class RA2, EN12899-1.



#### **ACCESSORIES**

A universal attachment slot enables firm fitting of a range of Surefit\* safety visors and ear defenders.







# **EVOLITE®** THE STRONGEST LIGHTEST SAFETY HELMET





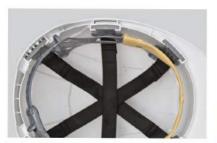




Weighing less than 300g\*, the EVOLite® is the lightest safety helmet for sale in Europe.



\*Dependent on model



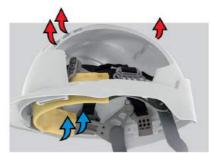
#### SUPREME COMFORT

A 6-point terylene cradle harness system & Egyptian cotton Chamlon™ sweatband offers unrivalled comfort.



#### **3D ADJUSTMENT**

The textile harness features unique 1–2–3 point depth settings. This offers the most precise fit attainable on an industrial safety helmet.



#### VENTILATION OPTION

Side and rear ventilation for optimum air movement inside the shell, reducing helmet temperatures by an average 2–3 degrees.



#### **FIRMEST FIT AVAILABLE**

The deep nape strap enables the firmest retention of any helmet, keeping it firmly rooted on the head. Available with either the Revolution\* wheel ratchet or the OneTouch\* slip ratchet.



#### **™** CR2™ REFLECTIVE

Using Class RA2, high intensity reflective. CR2" is the biggest step-up in night time visibility/reflectivity of head protection to date. Conforms to Class RA2, EN12899-1.



#### **ACCESSORIES**

A universal attachment slot enables firm fitting of a range of Surefit" safety visors, and ear defenders. EVOSpec Integrated eyewear is also available.



# EVOLITE® - REVOLUTION® WHEEL RATCHET / MID & MICRO PEAK EN397

AJB170-00 - 00

AJD170-00\_00

EVOLite® – micro peak, wheel ratchet, vented Oty 10

EVOLite® – micro peak, wheel ratchet Oty 10



### EVOLITE® - ONETOUCH™ SLIP RATCHET / MID & MICRO PEAK EN397

AJB160-00\_-\_00

 AJD160-00 - 00





#### EVOLITE® LINESMAN EN 397

Micro peak, Revolution® wheel ratchet or OneTouch™ slip ratchet, vented or unvented with 4-point chinstrap.

Car		
AJC240-0000	EVOLite® Linesman – wheel ratchet	Qty 10
AJC250-0000	EVOLite® Linesman – slip ratchet	Qty 10
AJD240-0000	EVOLite® Linesman – wheel ratchet, vented	Qty 10
AJD250-0000	EVOLite® Linesman – slip ratchet, vented	Qty 10





# SIMPLE 4 STEP GUIDE

To ordering with the JSP® Logo Express® print service

- **SELECT HELMET** Choose your helmet and where you want your logo printed, choose either front, back, sides or any combination of the three.
- 2 SUPPLY ARTWORK E-mail artwork to logos@jsp.co.uk, preferably Adobe Illustrator .ai or .eps files. Other file formats are accepted, however these may incur additional set-up charges and require more time for the artworking involved.
- **APPROVE ARTWORK PROOFS** JSP will e-mail colour proofs to you. Confirm your order by e-mailing logos@jsp.co.uk, alternatively state any amendments that you require.
- **DELIVERY** Delivery of printed helmets within 10 working days from JSP's receipt of the approved artwork.





**NEED HELP?** 

For any additional help please call: - 01993 826050





### INDIVIDUAL BRANDING

We can now offer permanent\* individual helmet personalisation at a low cost to further enhance identity and individuality to your head protection.

- **SIMPLE:** Using the logo printing selection table, choose the helmet you want and the position that you wish for the individual printing to be done. Then fill in the Excel spreadsheet that is provided with your initial order with names or descriptions for each helmet. Each helmet will be printed and supplied with the individual names, with any other useful information (contact number, ID number, etc). MOQ (Minimum Order Quantity) applies.
- **BENEFICIAL:** Individual name printing offers fully traceable Personal Protective Equipment for each worker with added security and personnel identification on site. People can be recognised without a badge. It can help to prevent people from wearing somebody elses helmet that may have recieved a knock making it potentially dangerous. There is a low fixed cost and low minimum order quantity with the individual name branding service too.



**NEED HELP?** 

For any additional help please call: - 01993 826050