EN SAFETY HELMETS
EN12492 // EN397 + A1* // EN50365** // EN166

A copy of this manual and the Declaration of Conformity for the product can be found on: documents.jspsafety.com

USE: The helmet is made to absorb the energy of an impact by partial destruction or damage to the shell or harness and even though such damage may not be readily apparent, any helmet subjected to severe impact should be replaced. **INSPECTION AND CARE OF THE HELMET:** The helmet is a complete system consisting of shell and harness. The helmet's useful life is affected by many factors including the cold, heat, chemicals, sunlight and misuse. The helmet should be examined daily for obvious signs of cracking, brittleness or damage to either helmet or harness. The user should be aware that there is potential risk of loss of protection due to ageing and/or inappropriate cleaning. The effectiveness of the insulating properties of the helmet may be affected by the conditions of use. Under no circumstances must a component other than a JSP component be used on a helmet. After use, the helmet may be cleaned with the use of soap and warm water and dried with a soft cloth. The helmet should not be cleaned with abrasive substances or solvents and must not be stored in direct sunlight or in contact with any solvents. Do not apply paint, solvents, adhesives or self-adhesive labels, except in accordance with the instructions from the helmet manufacturer. **EXPIRY/RETIREMENT:** The date of manufacture is moulded into the peak of this helmet. It is advised that the product be removed from use: - In the event of an impact, if there is evidence of damage, 5 years after first use of the product or 10 years from date of manufacture if earlier. **WARNING:** The attention of users is drawn to the danger of modifying or removing any of the original component parts of the protective equipment, other than as recommended by JSP Ltd. Protective equipment should not be adapted in any way not recommended by JSP Ltd. Modification or adaptation may significantly affect the protection offered and could result in severe injury or death. **WARNING:** The PPE, when in contact with the skin may cause allergic reactions to susceptible individuals, if this is the case doctor's advice should be consulted.

STORAGE: When not in use or during transportation, this helmet should be stored in a container such that it is out of direct sunlight, away from chemicals and abrasive substances and cannot be damaged by physical contact with hard surfaces/items. The conditions of storage are an important factor for the conservation of electrical and mechanical performance of insulating helmets. It is recommended that the storage condition is kept in the range of 20 ± 15°C.

FIELD OF USE: EVOLite®, EVO®2, EVO®3, EVO®4, EVO®5, EVO® VISTA®, Mk®7.0 / EVO® ALTA™ BASEWORKER™ / EVO® ALTA™ DUALSWITCH™, EVO®5 DUALSWITCH™, EVO® VISTA® DUALSWITCH™ (DUALSWITCH™ - When switched to EN 397 mode) / EVO® LINESMAN: This Helmet fully conforms to and exceeds the requirements of EN 397:2012+A1:2012. **This Helmet conforms to and exceeds the electrical insulation requirements of EN50365:2002 (Cl 5.2 & 5.3), the European Standard for Electrically Insulating Helmets for use in Low Voltage Installations. Only non-vented EVOLite®, EVO®2, EVO®3, EVO®4, EVO®5 and Mk®7.0 conform to EN50365:2002.

FIELD OF USE: EVO® ALTA™ SKYWORKER™, EVOLite® SKYWORKER™, EVO® VISTA® SKYWORKER™ / EVO® ALTA™ DUALSWITCH™, EVO®5 DUALSWITCH™, EVO® VISTA® DUALSWITCH™ (DUALSWITCH™ - When switched to EN 12492 mode): This Helmet is designed for working at height, climbing, mountaineering and mountain rescue. This Helmet fully conforms to and exceeds the requirements of EN 12492:2012, the European Standard for Mountaineering Helmets. *This Helmet conforms to and exceeds the shock absorption and resistance to penetration requirements of EN397:2012+A1:2012 (Cl 5.1.1 & 5.1.2), the European Standard for Industrial Safety Helmets. **This Helmet conforms to and exceeds the electrical insulation requirements of EN50365:2002 (Cl 5.2 & 5.3), the European Standard for Electrically Insulating Helmets for use in Low Voltage Installations.

⚠ This helmet has been designed to protect the wearer against electrical shocks by preventing passage of dangerous current through the body via the head. The helmet must be used with other insulating protective equipment when working on low voltage installations. The user should check that the electrical limits of the helmets correspond to the nominal voltage that is likely to be encountered during use. Do not use insulating helmets in situations where there is a risk that the insulating properties could be reduced.

WARNING (EVO® ALTA™): The EVO® ALTA™ helmet MUST be used with either the plain front (as supplied) or an approved accessory in place. **See image 7.**

WARNING: Some helmets are supplied without all harness attachment points connected. The areas to be checked are shown in **Image A.**

CONNECTING HARNESS ATTACHMENT POINTS AND USING 3D-ADJUSTMENT: The pins of the harness need to be inserted into the corresponding holes on the webbing straps at the front and rear of the helmet **(see image B)**. There are three holes that can be used at each point, and this allows the wearer to set the 3D-Adjustment. These change the height of the strap and the position of the strap to the back of the head **(see image C)**.

FITTING AND ADJUSTMENT:
- For adequate protection this helmet must fit or be adjusted to the size of the user's head. The helmet must be worn with the peak facing forward.
- Place helmet on head with peak facing forward. The lower edges of the helmet shell should be as near to horizontal as is comfortable.
- To alter the fit, adjust the harness at the rear of the helmet and ensure a comfortable fit is made around the crown of the head.

DUALSWITCH™: Ensure switchable anchorage point on chinstrap is set to required standard (**EN 397** - Industrial Safety Helmets: This setting enables the chinstrap to release under a force of between 150N and 250N if the helmet is caught up / **EN 12492** - Mountaineers Helmets: This setting prevents the chinstrap from releasing or stretching at forces under 500N to maximise security during a fall) position before each use of helmet **(see Image D)**.

SECURING THE 4-POINT CHINSTRAP: see images 1-6
1. Open the connecting buckle. Put the helmet securely on your head.
2. The four straps need to form triangles around each ear and have equal tension. If this is not the case, the straps need to be adjusted at the various adjustment points.
3. The lengths can be adjusted by feeding and pulling the straps and buckles on each side of the face.
4. Two more adjustment points are positioned at the back of the helmet. Adjust these by either pulling the adjustment point downward, or by feeding the strap through the adjustment point in one direction to tighten, and the opposite to loosen.
5. Close the connecting buckle.
6. To tighten or loosen the chinstrap below the chin, the adjustment point is below the attachment buckle. It can be lengthened or shortened by pulling either side of the strap.

FITTING A 2-POINT CHINSTRAP: see images 8-11
8. Identify which clip should go into which hole on the helmet.
9. Take the plastic pin and socket end of the first strap and line up the socket (hole) end behind the hole on the helmet.
10. Fold the pin part down toward the hole of the helmet. Push the pin part through the hole in the helmet and into the receiving socket.
11. Click the pin part into place, make sure that it is securely fitted, and then repeat the process for the other end of the harness.

SECURING A 2-POINT CHINSTRAP: see images 12-13
12. To loosen the chinstrap, pull the single strap end of the chinstrap whilst holding the adjuster.
13. To tighten the chinstrap, push the single strap end of the chinstrap through the adjuster, and then pull from the double strap end until tight.
14. The straps should not be twisted.

DO NOT USE THE CHINSTRAP AS A CARRYING HANDLE

EVO® VISTA®: USE, STORAGE, MAINTENANCE: In use, ensure the eye protector fits comfortably over the eyes. When not in use or during transportation, this PPE should be stored in a container such that it is out of direct sunlight, away from chemicals and abrasive substances and cannot be damaged by physical contact with hard surfaces/items. The conditions of storage are an important factor for the conservation of electrical and mechanical performance of insulating helmets. It is recommended that the storage condition is kept in the range of 20 ± 15°C. To clean/disinfect, rinse in 1% solution of mild detergent and dry with a soft cloth. DO NOT USE abrasive cleaners. **Warning:** If lens becomes scratched or damaged the eye protector should be replaced. Under normal circumstances the eye protector should offer adequate protection for 5 years. **Warning:** The frame, when in contact with the skin may cause allergic reactions to susceptible individuals, if this is the case doctor's advice should be consulted. The housings of these eye protectors provide less protection against impact than the lens. **Warning:** These eye protectors may transmit impacts to eye-wear enclosed by the eye protector.

EVO® VISTA®: TO DEPLOY EVO® VISTAlens® 1. Lower eyewear using tabs at either side and tilt toward face until gasket sits on nose bridge. **TO STOW EVO® VISTAlens®: 1.** Tilt eyewear away from the face and lift to retract into helmet shell until it locks in place. **TO DEPLOY EVO® VISTAshield® 1.** Lower visor using tab at centre of lower edge. **2.** Once visor is fully lowered on attachment rails, move visor down and toward the face to position stop block into ratchet block at top edge. **3.** Adjust visor as necessary. **TO STOW EVO® VISTAshield® 1.** Tilt visor away from face and lift to retract into helmet shell until it locks in place.

FITTING INSTRUCTIONS: ID CARD HOLDER: EVO® VISTA® and EVOLite®; See images X, Y, Z. EVO® ALTA™; see images 17-19. GOGGLES to EVO® ALTA™; see images 14-16. For illustrated and video instructions, visit www.jspgo.com and search for the correct icon for the type of protection you are using, and then the logo for the specific product.

REPLACEMENT PARTS AND ACCESSORIES: There are a range of replacement parts and accessories available from JSP for our safety helmets, including sweatbands, chinstraps, ear defenders and safety eyewear. Visit www.jspsafety.com to find these and go to jspgo.com for guides to correctly fitting them.

MARKINGS: (Not all markings below will be visible on the product):

JSP	Manufacturers Trademark.	CE	Conformity to Regulation (EU) 2016/425.
(date wheel)	Manufacturing date wheel: year of manufacture indicated in centre, month shown by arrow.	UK CA	Conformity to Regulation (EU) 2016/425 as amended to apply in GB.
EN 12492: ----	The European Standard Number for Mountaineers Helmets and its year of publication.	EN 50365: ----	The European Standard Number for electrically insulating helmets for use on low voltage installations and its year of publication.
EN 397: ----	The European Standard Number for Industrial Safety Helmets and its year of publication.	A#: ----	Amendment to EN397 and its year of publication.
(double triangle)	This helmet is electrically insulated for use working live or close to live parts on installations not exceeding 1000 V a.c. or 1500 V d.c.		
440 V a.c.	The helmet will protect the user against short term, accidental contact with live electrical conductors up to a voltage of 440 V a.c.	-20°C / -30°C / -40°C	The helmet will provide some protection when worn in an environment at or above these temperatures.
MM	The helmet will provide some protection against molten metal splash.	LD	The helmet will provide some protection from lateral compressive loads.
53-64 cm	The size range of the helmet, head circumference.	(kitemark)	Indicates that product manufacture meets international performance and quality management standards.
ANSI/ISEA Z89.1-2014	The American Standard (ANSI) for Industrial Head Protection and its year of publication.	(reverse)	Harness can be reinserted for reverse donning, with the peak and adjuster at the back of the head.
TYPE I	The helmet is intended to reduce the force of impact resulting from a blow only to the top of the head.	TYPE II	The helmet is intended to reduce the force of impact resulting from a blow to the top or sides of the head.
CLASS C	The helmet is not intended to provide protection against contact with electrical hazards.	CLASS E	The helmet is proof tested to 20000V.
LT	The helmet will provide some protection when worn in an environment at or above -30°C.	HT	The helmet will provide some protection when worn in an environment at or below +60°C.
EN166	The European Standard for Industrial Eye Protection.	5-#	Sunglare filter performance & grade # (EN172).
2 or 2C-#	Ultra violet filter (C = good colour recognition) & grade # (EN170).		
1	Number signifying the optical class, 1 is high 3 is low.	F	Withstands low energy impact from high speed particles.
B	Withstands medium energy impact from high speed particles.	A	Withstands high energy impact from high speed particles.
T	If protection at extremes of temperature is required select eyewear including a T after the impact marking.		
N	EN166 resistance to fogging/misting.	K	EN166 resistance to surface damage by fine particles.
If the symbols F, B and A are not common to both the ocular and frame then it is the lower level which shall be assigned to the complete eye-protector.			
Z87	The American Standard (ANSI) Standard for Industrial Eye Protection.		
+	The eye protector is impact rated.	U#	UV filter & grade #.
S	Special purpose lenses.	L#	Visible light filter & grade #.
TP TC 019/2011	The Technical Regulation of the Eurasian Union on Safety of PPE.	EAC	Conformity to the Technical Regulation.
★	Anti-scratch/anti-mist coated.		
(recycle)	Some components can be recycled.	(bin)	Dispose of in accordance with local legislation.

FR CASQUES DE SÉCURITÉ
EN12492 // EN397 + A1* // EN50365** // EN166

DE SICHERHEITSHELME
EN12492 // EN397 + A1* // EN50365** // EN166

NL VEILIGHEIDSHELMEN
EN12492 // EN397 + A1* // EN50365** // EN166

DA SIKKERHEDSHJELME
EN12492 // EN397 + A1* // EN50365** // EN166

NO SIKKERHETSHJELMER
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SV SÄKERHETSHJÄLMAR
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FI TURVAKYPÄRÄT
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ES CASCOS DE SEGURIDAD
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PT CAPACETES DE SEGURANÇA
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IT CASCHI DI SICUREZZA
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EL ΚΡΑΝΗ ΑΣΦΑΛΕΙΑΣ
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TR EMNİYET KASKLARI
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PL KASKI BEZPIECZEŃSTWA
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UK CA Certified by: Approved Body 0086. BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP. United Kingdom.

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EVOLite® / EVO®2 / EVO®3 / EVO®3 MINERS / EVO®4 / EVO®5 / EVO®6100 / EVO®6100 FULL BRIM / Mk®7.0 / Mk®7.0 MINERS / EVO® VISTA® / EVO® ALTA™ BASEWORKER

EVO®5 DUALSWITCH™ / EVO® VISTA® DUALSWITCH™ / EVO® ALTA™ DUALSWITCH™

EVOLite® SKYWORKER™ / EVO® VISTA® SKYWORKER™ / EVO® ALTA™ SKYWORKER™

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