

Instructions for High-Temperature Hard

Instrucciones para cascos de seguridad tipo cachucha para altas temperaturas
 Instructions pour les casques de chantier résistants aux températures élevées



FIG. A

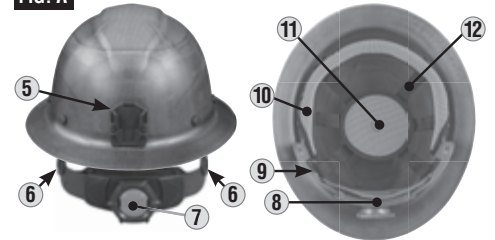


FIG. B

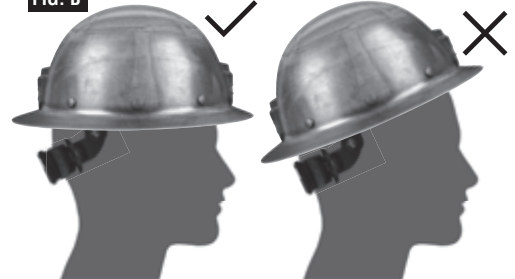


FIG. C

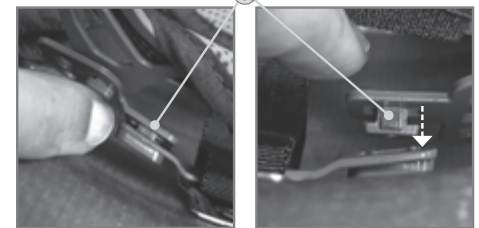
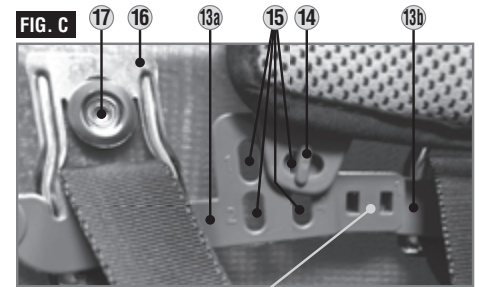
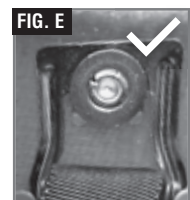


FIG. D



FIG. E



WARNING! BEFORE USE: READ ALL INSTRUCTIONS OR RISK SERIOUS INJURY OR DEATH. DO NOT REMOVE LABEL.

- This protective headwear is designed to absorb some of the energy of a blow through partial destruction of its component parts and, even though damage may not be readily apparent, any protective headwear subjected to severe impact should be replaced.
- This protective headwear must not be painted or cleaned with solvents. Any decals applied to the protective headwear must be compatible with the surface material and known not to affect adversely the characteristics of the materials used in the protective headwear. • Any addition or structural modification may reduce the protective properties afforded by this protective headwear.



ATTENTION. AVANT UTILISATION: LIRE TOUTES LES INSTRUCTIONS OU RISQUE DE BLESSURES GRAVES OU DE MORT. NE PAS ENLEVER L'ÉTIQUETTE.

- Ce casque de sécurité est conçu pour absorber une partie du choc produit par un coup par la destruction partielle de ses composants. Même si l'endommagement n'est pas visible, tout casque de sécurité qui a subi un choc sévère devrait être remplacé. • Ce casque de sécurité ne doit pas être peint ni nettoyé à l'aide de solvants. Toute décalcomanie appliquée à ce casque doit être compatible avec le matériau de la calotte et être reconnue inoffensive pour les matériaux entrant dans la fabrication du casque. • Tout ajout au casque ou toute modification structurale du casque peut en réduire les propriétés de protection.

ADVERTENCIA! ANTES DE USAR: LEA TODAS LAS INSTRUCCIONES O PELIGRO DE LESIONES GRAVES O LA MUERTE. NO quite LA ETIQUETA.

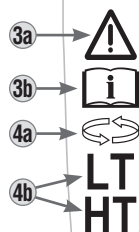
- Esta gorra de protección está diseñada para absorber parte de la energía de un golpe a través de la destrucción parcial de sus componentes y, aunque el daño no sea aparente, debe reemplazarse cualquier gorro de protección que tenga un impacto severo. • Esta gorra de protección no debe pintarse ni limpiarse con disolventes. Las calcomanías aplicadas a los sombreros protectores deben ser compatibles con el material de la superficie y se sabe que no afectan adversamente las características de los materiales utilizados en los sombreros protectores.
- Cualquier adición o modificación estructural puede reducir las propiedades protectoras proporcionadas por esta protección para la cabeza.

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This hard hat provides LIMITED protection from small objects striking the top, front, back, left and right sides of the hard hat. This is NOT an ANSI/CSA Type II hard hat. NEVER use as a vehicular or sports helmet. Before using, replace any part showing wear or damage. Replace hard hat after any impact. Never alter or apply paints or solvents. DO NOT use for electrical shock protection. DO NOT expose safety hard hat, suspension, padding, and chin strap to open flame. (See Instructions).



Este casco de seguridad tipo cachucha proporciona protección LIMITADA contra objetos pequeños que golpean la parte superior, frontal, posterior, izquierda y derecha del casco de seguridad tipo cachucha. Este NO es un casco que cumple con las normas ANSI/CSA Tipo II. NUNCA lo use como un casco vehicular o deportivo. Antes de usar, reemplace cualquier pieza que muestre desgaste o daño. Reemplace el casco después de cualquier impacto. Nunca altere ni aplique pinturas o solventes. NO lo use para protección contra descargas eléctricas. NO exponga el casco de seguridad, la suspensión, el acolchado y la correa de barbilla a llamas abiertas. (Consulte las instrucciones).

Ce casque de chantier offre une protection LIMITÉE contre les petits objets percutant le dessus, l'avant, l'arrière et les côtés du casque. Ce n'est PAS un casque ANSI/CSA de type II. N'utilisez JAMAIS comme casque de sport ou de véhicule. Avant toute utilisation, remplacez toute pièce présentant une usure ou des dommages. Remplacez le casque après tout impact. Ne jamais modifier ou appliquer des peintures ou des solvants. NE PAS utiliser pour la protection contre les chocs électriques. N'exposez PAS la coiffe, le rembourrage et la mentonnière à une flamme nue. (Voir les instructions).

NOTE: This label is representative; contents will vary based on model #.

NOTA: esta etiqueta es representativa; los contenidos variarán según el n.º del modelo.

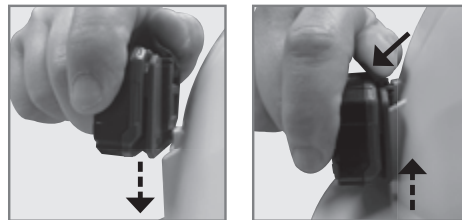
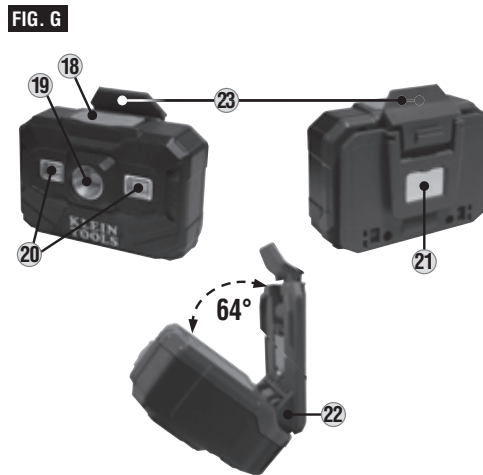
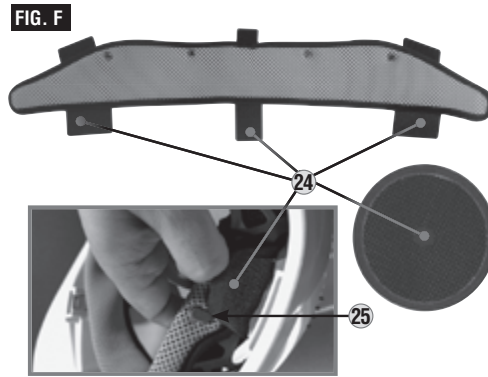
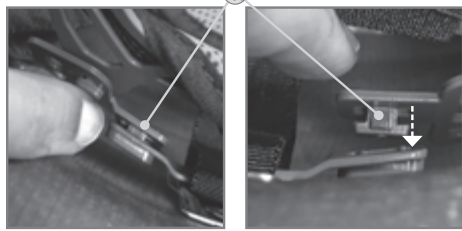
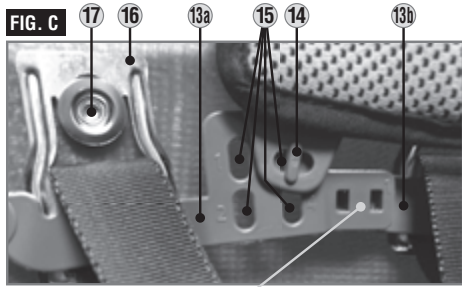
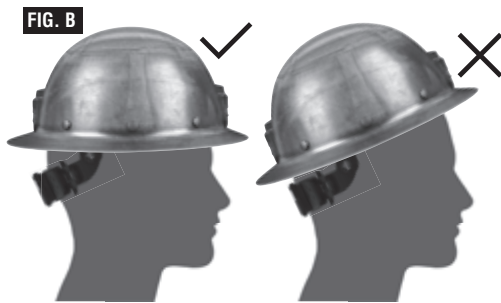
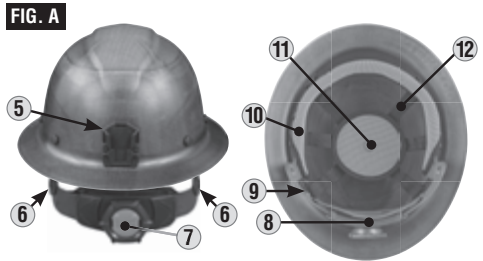
DECLARAZIONE: Dato illustrativo del fornitore

Model # HEAD SIZE 6½ - 8 (52cm - 64cm)
 604## ANSI/ISEA Z89.1-2014, Type 1, Class G
 CSA Z94.1-15, Type 1, Class G



Instructions for High-Temperature Hard Hats
Instrucciones para cascos de seguridad tipo cachucha para altas temperaturas
Instructions pour les casques de chantier résistants aux températures élevées

Models / Modelos / Modèles :
60447, 60452



BASED ON 1390461 Rev 06/22 A

GENERAL SPECIFICATIONS

- **Standards:** These Klein Tools Hard Hats comply with Type I ANSI/ISEA Z89.1-2014 (R2019), CSA Z94.1-15 (R2020):
 - Class G non-vented Hard hats have been tested up to 2kV.
 - Tested to High Temperature (HT) rating: 140°F (60°C)
 - Tested to Low Temperature (LT) rating: -22°F (-30°C)
- Tested to withstand radiant heat up to 350°F (176°C)
- **Material:** Glass Fiber/High Temperature polymer
- **Fits:** Head Sizes 6-1/2 to 8 (20-1/2 to 25 inches / 52 to 64 cm)

SYMBOLS ON PRODUCT

- ① Compliant Standards, Class, Type, and Head Size information
- ② Date of manufacture (Year/Month)
- 3a Warning symbol
- 3b Read instructions
- 4a Reverse donning symbol
- 4b Low temp/High temp symbol

WARNING LABELS

There are two warning labels affixed to the inside of this hard hat. Read, understand, and follow these instructions to ensure safe operation. **DO NOT REMOVE THESE LABELS.**

⚠ WARNINGS

READ ALL INSTRUCTIONS. FAILURE TO FOLLOW THESE WARNINGS AND INSTRUCTIONS MAY RESULT IN SERIOUS BODILY INJURY OR DEATH.

- This hard hat provides LIMITED protection from small objects striking the top of the hard hat.
- **DO NOT** expose directly to open flame. This hard hat is designed to provide limited protection from indirect radiant heat of up to 350°F (176°C) for limited periods of time. Frequent or long exposure to temperature extremes could deteriorate product performance (See MAINTENANCE section).
 - **NOTE:** Not all accessories that fit on this hard hat are compatible with high-temperature environments. Check the user manual for the particular accessory before use.
- **DO NOT** expose suspension and padding to open flame.
- **ELECTRICAL WARNING:** Avoid areas where the chance of electrical shock exists. The Class G rating limits protection to up to 2kV. Check with your safety supervisor prior use on the jobsite.
- If the hard hat has sustained an impact, dispose of it IMMEDIATELY, even if damage is not visible.
- **NEVER** alter, puncture, modify or engrave the shell or the suspension.
- **DO NOT** use paints, solvents, chemicals, polish, oils, lubricants, insecticides, adhesives, gasoline or like substances on this hard hat – doing so can lessen the protection offered against impact and penetration.
- **DO NOT** use this hard hat as a vehicular or recreational hard hat.
- **DO NOT** store objects between the suspension and the shell, as the hard hat will not function as intended and can lessen the protection from impact and penetration.

MAINTENANCE

HARD HAT CLEANING AND STORAGE

- Clean the hard hat and suspension with mild soap and water only. Rinse and wipe dry. Clean optional chin strap with damp cloth only. Store in a cool place.
- See SWEATBAND AND TOP COMFORT PAD section of the operating instructions (on other side) for additional maintenance information.

MAINTENANCE

INSPECTION AND REPLACEMENT

- Inspect the hard hat, including the suspension and shell, before and after each use:
- Check the Hard Hat's shell for any cracks, breakage, discoloration, or any other damage, excessive wear or unusual condition. These conditions may indicate reduced impact or penetration resistance and the Hard Hat must be replaced IMMEDIATELY.
 - The suspension and optional chin strap should be checked for cracks, breaks, damaged stitching or any other damage, excessive wear or unusual condition. If any of these conditions exist, the suspension and optional chin strap must be replaced IMMEDIATELY.
 - Always use genuine Klein Tools replacement parts. This product works as a system, and use of unauthorized suspensions or accessories may reduce the protection you receive from this hard hat.

USEFUL LIFE

SUSPENSION AND OPTIONAL CHIN STRAP: Must be replaced after no more than 12 months of use.

ENTIRE HARD HAT: Entire Hard Hat should be replaced after 2 years of use, or no more than 5 years from the date of manufacture, whichever comes first.

These are useful service life guidelines. Regular inspection as detailed in the MAINTENANCE section above MUST be performed, and may result in possible earlier replacement.

NOTE: This replacement schedule is a guideline that assumes normal use and storage conditions for the hard hat. If the hard hat is exposed to temperature extremes, persistent sunlight, or chemicals, replacement may be required in a shorter time frame.

WARRANTY

www.kleintools.com/warranty

ACCESSORIES AND REPLACEMENT PARTS

Klein Tools hard hat accessories and replacement parts are available online or at major distributors:

- **HTSPN:** Replacement High-Temperature Suspension*
- **KHHSWTBND:** Sweatband (3-pack)
- **KHHSWTBND2:** Premium Sweatband (3-pack)
- **KHHTOPPAD:** Top Comfort Pad (3-pack)
- **KHHTOPPAD2:** Premium Top Comfort Pad (3-pack)
- **KHHSTRP:** Chin Strap
- **FRKHHSWTBND:** Flame-Resistant Sweatband
- **FRKHHTOPPAD:** Flame Resistant Top Pad
- **FRKHHSTRP:** Flame-Resistant Chin Strap
- **56048:** Rechargeable Auto-Off Headlamp (Spot/Flood)
- **56049:** Rechargeable Light Array Headlamp (Flood only)
- **56062:** Rechargeable Headlamp / Worklight (Spot/Flood)
- **56063:** Safety Lamp
- **60155:** Cooling Fan
- **60156:** Intrinsically Safe LED Headlamp

*Use only HTSPN suspension in Klein High-Temperature Hard Hats.

NOTE: KLEIN TOOLS CANNOT GUARANTEE THAT THIRD-PARTY ACCESSORIES WILL PERFORM OR FIT OPTIMALLY WITH KLEIN TOOLS HARD HATS.

NOTE: NOT ALL ACCESSORIES THAT FIT ON THIS HARD HAT ARE COMPATIBLE WITH HIGH-TEMPERATURE ENVIRONMENTS. CHECK THE USER MANUAL FOR THE PARTICULAR ACCESSORY BEFORE USE.

DISPOSAL / RECYCLE



Please dispose of responsibly. The shell is made from a glass-filled polymer and metal components that can be recycled through certain collection programs. See for additional information.

CUSTOMER SERVICE

FEATURE DETAILS (FIG. A)

- ⑤ Klein Tools Accessory Slots (60447 only, x2)
- ⑥ Pivot Adjustment (x2)
- ⑦ Size Adjustment Knob
- ⑧ Rear Neck Pad
- ⑨ Suspension Anchor Points (x6)
- ⑩ Washable Sweatband
- ⑪ Washable Top Comfort Pad
- ⑫ Suspension Straps (x6)
- ⑬a Outer Suspension Bracket (x4)
- ⑬b Center Suspension Bracket (x2)
- ⑬c Center Bridge Tab (x4)
- ⑭ Bracket Key (x4)
- ⑮ Bracket Key Slot (x20)
- ⑯ Metal Anchor (x6)
- ⑰ Rivet (x6)

FITTING (FIG. B)

All hard hats come with suspension pre-installed at factory settings. The suspension can be adjusted to ensure proper and secure fit to your head for maximum protection. Follow the steps below:

STEP 1: Turn the Size Adjustment Knob ⑦ counterclockwise to loosen the fit. Position the Rear Neck Pad ⑧ on the back of your head, closer to the neck. Dress any bandana knots or ponytails over the rear neck pad ⑧.

STEP 2: Tighten by turning the Size Adjustment Knob ⑦ clockwise until the hard hat is comfortable and snug. Move your head up, down and side-to-side gently, like you would normally, and make sure the hard hat stays on. Make sure that the hard hat is not angled forward or backward, but rests level on your head.

ADJUSTMENTS

If the hard hat does not fit properly at the factory settings, you can further adjust the fit:

STEP 1: Separate the Outer Suspension Bracket ⑬a from the Center Suspension Bracket ⑬b by pulling back gently on the Outer Suspension Bracket ⑬a to release the Center Bridge Tab ⑬c. Do this on all four Bracket locations before moving to the next step. (FIG. C).

STEP 2: Determine which Bracket Key Slot ⑮ you wish to reattach to. Using the slots deeper in the hard hat will move frame higher on the head, and vice versa. Turn the Outer Suspension Bracket ⑬a approximately 90° to release the Bracket Key ⑭ from the Bracket Key Slot ⑮. Insert the Bracket Key ⑭ into the new slot location and rotate the Outer Suspension Bracket ⑬a back approximately 90° to secure. Always match the settings on the left and right sides to prevent the suspension from sitting at an angle.

STEP 3: Secure the Outer Suspension Bracket ⑬a by snapping back the Center Bridge Tab ⑬c in a total of four locations before moving to the next step.

STEP 4: Verify the hard hat fits properly. Follow the steps in the FITTING section to ensure proper fit. Ensure that accessories you plan to use fit and function properly while maintaining the hard hat's ability to perform its function optimally. Check with a qualified safety expert if unsure.

SUSPENSION REPLACEMENT

NOTE: It is recommended that you wear hand protection when performing actions in this section.

STEP 1: Separate the Outer Suspension Brackets ⑬a from the Center Suspension Bracket ⑬b by pulling back gently on the Outer Suspension Brackets ⑬a to release the Center Bridge Tab ⑬c in a total of four locations before moving to the next step. (FIG. C) **STEP 2:** Place your thumbs under the Outer Suspension Brackets ⑬a and push upwards. This will release the Metal Anchor ⑯ from the Rivet ⑰ in six locations (FIG. D). **DO NOT** push on the Metal Anchors, as this could cause injury or deform the anchor.

FEATURE DETAILS (FIG. A)

- 5 Klein Tools Accessory Slots (60447 only, x2)
- 6 Pivot Adjustment (x2)
- 7 Size Adjustment Knob
- 8 Rear Neck Pad
- 9 Suspension Anchor Points (x6)
- 10 Washable Sweatband
- 11 Washable Top Comfort Pad
- 12 Suspension Straps (x6)
- 13a Outer Suspension Bracket (x4)
- 13b Center Suspension Bracket (x2)
- 13c Center Bridge Tab (x4)
- 14 Bracket Key (x4)
- 15 Bracket Key Slot (x20)
- 16 Metal Anchor (x6)
- 17 Rivet (x6)

FITTING (FIG. B)

All hard hats come with suspension pre-installed at factory settings. The suspension can be adjusted to ensure proper and secure fit to your head for maximum protection. Follow the steps below:

STEP 1: Turn the Size Adjustment Knob 7 counterclockwise to loosen the fit. Position the Rear Neck Pad 8 on the back of your head, closer to the neck. Dress any bandana knots or ponytails over the rear neck pad 8.

STEP 2: Tighten by turning the Size Adjustment Knob 7 clockwise until the hard hat is comfortable and snug. Move your head up, down and side-to-side gently, like you would normally, and make sure the hard hat stays on. Make sure that the hard hat is not angled forward or backward, but rests level on your head.

ADJUSTMENTS

If the hard hat does not fit properly at the factory settings, you can further adjust the fit:

STEP 1: Separate the Outer Suspension Bracket 13a from the Center Suspension Bracket 13b by pulling back gently on the Outer Suspension Bracket 13a to release the Center Bridge Tab 13c. Do this on all four Bracket locations before moving to the next step. (FIG. C).

STEP 2: Determine which Bracket Key Slot 15 you wish to reattach to. Using the slots deeper in the hard hat will move frame higher on the head, and vice versa. Turn the Outer Suspension Bracket 13a approximately 90° to release the Bracket Key 14 from the Bracket Key Slot 15. Insert the Bracket Key 14 into the new slot location and rotate the Outer Suspension Bracket 13a back approximately 90° to secure. Always match the settings on the left and right sides to prevent the suspension from sitting at an angle.

STEP 3: Secure the Outer Suspension Bracket 13a by snapping back the Center Bridge Tab 13c in a total of four locations before moving to the next step.

STEP 4: Verify the hard hat fits properly. Follow the steps in the FITTING section to ensure proper fit. Ensure that accessories you plan to use fit and function properly while maintaining the hard hat's ability to perform its function optimally. Check with a qualified safety expert if unsure.

SUSPENSION REPLACEMENT

NOTE: It is recommended that you wear hand protection when performing actions in this section.

STEP 1: Separate the Outer Suspension Brackets 13a from the Center Suspension Bracket 13b by pulling back gently on the Outer Suspension Brackets 13a to release the Center Bridge Tab 13c in a total of four locations before moving to the next step. (FIG. C) **STEP 2:** Place your thumbs under the Outer Suspension Brackets 13a and push upwards. This will release the Metal Anchor 16 from the Rivet 17 in six locations (FIG. D). **DO NOT** push on the Metal Anchors, as this could cause injury or deform the anchor.

SUSPENSION REPLACEMENT

STEP 3: On the replacement suspension, determine which Key Slot 15 you want to reattach to. Turn the Outer Suspension Bracket 13a approximately 90° to release the Bracket Key 14 from the Key Slot 15. Insert the Bracket Key 14 at the new slot location and rotate the Outer Suspension Bracket 13a back approximately 90° to secure. Always match the settings on the left and right sides to prevent the suspension from sitting at an angle.

STEP 4: Secure the Outer Suspension Brackets 13a by snapping back the Center Bridge Tabs 13c in a total of four locations before moving to the next step (FIG. C).

STEP 5: Position the Metal Anchor(s) 16 on top of the Rivet(s) 17 and gently pull on the Suspension Straps 12 until the Metal Anchor(s) 16 are properly seated. Make sure all six Metal Anchor(s) 16 are properly seated on the Rivets 17 and are all at the same level (FIG. E).

STEP 6: Verify the hard hat fits properly. Follow the steps in the FITTING section to ensure proper fit. Ensure that accessories you plan to use fit and function properly while maintaining the hard hat's ability to perform its function optimally. Check with a qualified safety expert if unsure.

NOTE: DO NOT pull on the suspension straps to free the anchor. This could permanently damage the anchors and straps, preventing them from performing as intended.

NOTE: The suspension strap lengths are fixed and cannot be adjusted. DO NOT attempt to alter.

SWEATBAND AND TOP COMFORT PAD (FIG. F)

Klein Tools hard hats come with an advanced sweatband and top comfort pad designed to wick away sweat. They are machine washable in a normal wash cycle. Do NOT wash with bleach or with detergents containing bleach. Machine dry on normal or low heat setting only.

The sweatband and top comfort pad can be easily removed and reinstalled on the suspension:

- The top comfort pad is held in place by a single Hook-and-Loop pad 24.
- The sweatband is held in place by four Suspension Hooks 25 and three Hook-and-Loop Pads 24, on the side and front. To remove, simply detach all Hook-and-Loop pads and slide the sweatband off the suspension hooks.

56062 HEADLAMP (60447 ONLY) (FIG. G)

The optional 56062 is a rechargeable headlamp designed specifically for Klein hard hats that have the integrated front and rear Accessory Slots 5. It functions as a spot light or flood light, and has magnet to attach onto magnetic surfaces for use as a worklight. Charging cable is included with models that include rechargeable headlamps.

- 18 On/Off/Mode button
- 19 Spot light
- 20 Flood lights
- 21 Magnet
- 22 Pivoting mount
- 23 Release tab

The 56062 can be attached to both the front and back of the hard hat via the Klein Tools Accessory Slot 5. It can be tilted up to 64° on the hard hat, or stand alone as a worklight.

To install the headlamp, align the Pivoting Mount 22 with the Klein Tools accessory slot 5 on the hard hat and push down until the headlamp clicks securely into place.

To remove the headlamp, press forward on the Release Tab 23, and lift the headlamp out of the Accessory Slot 5.

STICKERS

⚠ WARNING: Klein Tools DOES NOT approve the application of stickers, hot stamps, inks, or foils that have metallic content to this hard hat by end users. Such modifications can alter the performance of the hard hat.