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› SAFEBUILDER G2E Safety Helmet Instruction Manual

SAFEBUILDER G2E

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1. PRODUCT OVERVIEW

The SAFEBUILDER G2E Safety Helmet is designed to provide head protection in various demanding work environments, including electrical, construction, rescue, and work at height. This helmet is classified as Type 2, offering protection against both top and lateral impacts, and Class E, providing electrical insulation. It features an EPS foam liner for enhanced impact absorption and a lightweight, adjustable design for user comfort.

2. SAFETY GUIDELINES AND CERTIFICATIONS

This safety helmet meets stringent international safety standards to ensure user protection. Adhere to all local safety regulations and guidelines when using this product.

Certifications:

- **ANSI/ISEA Z89.1-2014 (R2019) Type II, Class C, G & E:** Certified for impact protection from top and sides, and electrical insulation.
- **CE EN 397:2012+A1:2012:** European standard for industrial safety helmets.
- **CSA Z94.1-15 (R2024) Type 2, Class E, G & C:** Canadian standard for industrial protective headwear.

Electrical Performance:

Class E helmets are tested to withstand 20,000 volts at 60 Hz for 3 minutes, with no burn-through at 30,000 volts. This provides protection against high-voltage electrical conductors.

General Safety Warnings:

- Inspect the helmet for any signs of damage before each use. Do not use a damaged helmet.
- Retire the helmet immediately after any significant impact, even if visible damage is not apparent. Internal damage may compromise protection.
- Do not modify or alter the helmet in any way, as this may reduce its protective capabilities.
- Avoid applying paints, solvents, adhesives, or self-adhesive labels not recommended by the manufacturer, as they may degrade the helmet material.

**B^{Safe}
Builder**



ANSI

CSA

TYPE II

- ANSI/ISEA Z89.1-2014(R2019)-TYPE II ,CLASS E,G&C, LT
- CSA Z94.1-15(R2024) TYPE 2, CLASS E,G&C

Image: SAFEBuilder G2E Safety Helmet displaying ANSI and CSA Type II certification labels, indicating compliance with safety standards.

Insulation



ANSI

Class E - 20,000 volts,
60 Hz, 3 minutes,
30,000 volts no burn through.

CSA

Class E - 20,000±100 volts,
60 Hz, 3 minute

Image: Illustration of the SAFE BUILDER G2E Safety Helmet's electrical insulation properties, highlighting its Class E rating for protection against electrical hazards.

3. HELMET COMPONENTS

The SAFE BUILDER G2E Safety Helmet consists of several key components designed for protection and comfort:

- **Hard Hat Shell:** Made from PC-ABS high-strength material for external impact resistance.
- **EPS Foam Liner:** Provides superior impact absorption from top and sides, meeting Type 2 requirements.
- **6-Point Suspension System:** Distributes weight evenly and helps absorb impact forces.
- **Sweatband:** Integrated for moisture wicking and comfort.
- **Washable Liner Pad:** Removable for cleaning and hygiene.
- **Removable Chin Cover:** Soft cloth cover for the chin strap, enhancing comfort.
- **Headlamp Clips:** Located at the front for attaching headlamps.
- **Magnetic Chin Strap Buckle:** Allows for easy one-hand operation.
- **Ratchet Adjustment System:** Located at the rear for precise size adjustment.

- **Accessory Slots:** For attaching compatible visors, face shields, and earmuffs.

Superior Protection Type II Impact Resistance

Top and Sides-Round Head Protection



Image: Exploded view illustrating the internal structure of the SAFE BUILDER G2E Safety Helmet, showing the hard hat shell, EPS foam lining, and 6-point suspension system.

4. SETUP AND ADJUSTMENT

Proper fit and adjustment are crucial for the helmet's effectiveness and user comfort.

4.1. Size Adjustment:

1. Place the helmet on your head.
2. Locate the ratchet adjustment knob at the back of the helmet.
3. Turn the knob clockwise to tighten the suspension system until the helmet fits snugly and securely without causing discomfort.
4. Turn the knob counter-clockwise to loosen the fit.

5. Ensure the helmet does not wobble or shift when you move your head.

4.2. Chin Strap Adjustment:

1. Fasten the magnetic chin strap buckle.
2. Adjust the strap length on both sides to ensure a snug fit under your chin, preventing the helmet from falling off.
3. The soft chin cover can be attached or removed for additional comfort.

4.3. Accessory Attachment:

The helmet is equipped with accessory slots for compatible SAFEBUILDER visors, face shields, and earmuffs. Follow the instructions provided with each accessory for proper attachment.



Image: The SAFEBUILDER G2E Safety Helmet highlighting the rear ratchet adjustment system for head size and side slots for attaching accessories like visors and earmuffs.

B^{Safe} Builder[®]

Pressure-Free Fit



Ultra-Soft inner sweatband delivers snug, pain-free wearing experience.

Soft Chin Cover



Comfortable, Convenient and Detachable.

All-Day Comfort

Lightweight Design With Moisture-Wicking Padding. Keeps You Cool And Focused On The Job.

AI-Generated

Image: Detailed view of the SAFEBUILDER G2E Safety Helmet's interior, showing the pressure-free fit provided by the inner sweatband and the soft, removable chin cover for enhanced comfort.

5. OPERATION

Once properly adjusted, the SAFEBUILDER G2E Safety Helmet is ready for use in appropriate work environments.

5.1. Wearing the Helmet:

Ensure the helmet is worn correctly with the brim facing forward and the chin strap securely fastened. The helmet should sit level on your head, covering the top and sides adequately.

5.2. Magnetic Chin Strap Buckle:

The magnetic buckle allows for quick and easy fastening and unfastening, even with gloves. Simply push the two parts together to engage the magnetic lock. To release, slide the buckle parts apart.

AI-Generated

BSafe
Builder®

Magnetic Buckle



Just give a gentle push
and it will automatically
attach.

Revolutionary FIDLOCK Magnetic Chin Strap

One-Hand Operation with Gloves. No Pinching, No Fumbling.

Image: Detailed view of the SAFEBuilder G2E Safety Helmet's magnetic chin strap buckle, designed for easy one-hand operation and secure fastening.

APPLICATION

- Construction
- Outdoor Work
- Industrial
- Forestry
- Rescue
- Electrical
etc

AI-Generated

Image: A worker wearing the SAFEBUILDER G2E Safety Helmet in an electrical work environment, demonstrating its application in various industrial settings.

6. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and continued protective performance of your helmet.

6.1. Cleaning:

- Clean the helmet shell with mild soap and water. Avoid abrasive cleaners or solvents.
- The internal liner pad and sweatband are washable. Remove them from the helmet and hand wash with mild soap, then air dry completely before reinserting.

6.2. Inspection:

Perform a visual inspection before each use. Check for:

- Cracks, dents, or punctures on the outer shell.

- Damage to the EPS foam liner (cracks, compression).
- Fraying, tears, or damage to the suspension system and chin strap.
- Proper function of the ratchet adjustment and magnetic buckle.

6.3. Storage:

Store the helmet in a cool, dry place away from direct sunlight, extreme temperatures, and chemicals. Do not store heavy objects on top of the helmet.

7. TROUBLESHOOTING

If you encounter issues with your SAFEBuilder G2E Safety Helmet, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Helmet feels loose or wobbles	Improper size adjustment	Tighten the ratchet adjustment knob until snug.
Helmet is uncomfortable	Incorrect adjustment, chin strap too tight/loose, or liner issues	Re-adjust the ratchet and chin strap. Ensure the liner pad is correctly seated.
Chin strap buckle not engaging	Debris in buckle, buckle misalignment, or damage	Clean the buckle. Ensure proper alignment. If damaged, discontinue use and replace.
Accessories do not fit	Incompatible accessories or incorrect attachment	Ensure accessories are SAFEBuilder compatible and follow their specific attachment instructions.
Visible damage to helmet	Impact or wear and tear	Immediately retire the helmet and replace it. Do not attempt repairs.

8. TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	SAFEBuilder
Model Number	G2E
Size	Universal Adjustable (52-63cm / 20.47-24.80 inch)
Item Weight	0.62 Kilograms
Material Type	Acrylonitrile Butadiene Styrene (ABS), Polycarbonate (PC) Shell, EPS Foam Liner
Closure Type	Ratchet Adjustment, Magnetic Chin Strap Buckle
Specification Met	ANSI/ISEA Z89.1 Type 2 Class C, E & G; EN397: 2012; CSA Z94.1-15 Type 2 Class E, G & C
Included Components	1PCS Hard Hat

9. WARRANTY INFORMATION

The SAFEBuilder G2E Safety Helmet comes with a 30-day warranty. For specific terms and conditions, or to initiate a

warranty claim, please refer to the seller or contact SAFEBUILDER customer support.

10. CUSTOMER SUPPORT

For further assistance, product inquiries, or support, please visit the official SAFEBUILDER store or contact their customer service department.

SAFEBUILDER Store: <https://www.amazon.com/stores/SAFEBUILDER/page/978F3B81-998B-4698-A24E-00B0409A86FF>

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