

## MSA 10034031

# MSA 10034031 Advance Series Vented Hard Hat Instruction Manual

## 1. INTRODUCTION

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This instruction manual provides essential information for the proper use, maintenance, and care of the MSA Advance Series Vented Hard Hat, Model 10034031. Adherence to these instructions is crucial for ensuring user safety and product longevity. This hard hat is designed to provide head protection against impacts and penetration from falling objects, and electrical shock, meeting ANSI Z89.1-2003, Type 1 Class C standards. It is not specifically designed to protect against lateral blows from the front, side, or rear.

**Important Safety Information:** Always inspect the hard hat before each use. Replace immediately if any damage is observed. Do not modify the hard hat or its components. Use only MSA-approved accessories.



An image showing the red MSA Advance Series Vented Hard Hat from a slightly elevated front-right perspective. The hard hat features cooling vents on the top and a brim at the front.

## 2. SETUP AND ADJUSTMENT

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The MSA Advance Series Hard Hat comes with a Fas-Trac ratchet suspension system for a secure and comfortable fit. Proper adjustment is vital for effective protection.

1. **Inspect Components:** Before first use, ensure all suspension components are present and undamaged.
2. **Insert Suspension:** Align the suspension system with the slots inside the hard hat shell. Ensure all attachment points are securely fastened.
3. **Adjust Headband Size:** Place the hard hat on your head. Use the Fas-Trac ratchet knob at the back of the suspension to tighten or loosen the headband until it fits snugly but comfortably around your head.
4. **Adjust Crown Straps:** The crown straps can be adjusted to control the depth of the hard hat on your head. Ensure there is approximately 1 to 1.25 inches (2.5 to 3.2 cm) of clearance between the top of your head and the hard hat shell.
5. **Chin Strap (if applicable):** If a chin strap is used, adjust it to keep the hard hat firmly in place without causing discomfort.

## 3. OPERATING INSTRUCTIONS

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Once properly adjusted, the hard hat is ready for use. Always wear the hard hat with the brim facing

forward unless specific job requirements dictate otherwise and the hard hat is designed for such use. Ensure the hard hat is worn level on the head, covering the top and sides of the head adequately.

- **Proper Fit:** The hard hat should not wobble or shift excessively during normal movement.
- **Accessory Integration:** The lateral contours above the ear are designed for easy integration of hearing protection. Ensure any integrated accessories do not compromise the hard hat's protective capabilities or fit.
- **Vents:** The cooling vents provide improved air circulation. Ensure they are not obstructed during use.

## 4. MAINTENANCE AND CARE

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Regular maintenance extends the life of your hard hat and ensures continued protection.

- **Cleaning:** Clean the hard hat shell and suspension with mild soap and warm water. Rinse thoroughly and air dry. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can degrade the material.
- **Inspection:** Inspect the hard hat daily for cracks, dents, gouges, discoloration, or any signs of wear or damage to the shell or suspension. Check for brittle or frayed straps.
- **Replacement:** Replace the hard hat immediately if it has sustained an impact, even if no visible damage is apparent. Replace the suspension system at least every 12 months, and the entire hard hat shell at least every 5 years from the date of manufacture, or sooner if signs of wear or damage are present.
- **Storage:** Store the hard hat in a clean, dry place away from direct sunlight, extreme temperatures, and chemicals. Do not store heavy objects on top of the hard hat.

## 5. TROUBLESHOOTING

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If you encounter issues with your hard hat, consider the following:

- **Hard Hat Feels Loose:** Re-adjust the Fas-Trac ratchet knob and crown straps for a tighter fit. Ensure the suspension is correctly seated in the shell.
- **Discomfort:** Check for proper adjustment of the headband and crown straps. Ensure no hair or other items are interfering with the fit.
- **Visible Damage:** Any cracks, dents, or discoloration indicate the hard hat's protective capabilities may be compromised. Replace the hard hat immediately.
- **Suspension Issues:** If the suspension is brittle, cracked, or no longer holds adjustment, replace the suspension system.

## 6. SPECIFICATIONS

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| Feature            | Detail                 |
|--------------------|------------------------|
| Model Number       | 10034031               |
| Brand              | MSA                    |
| Product Dimensions | 4.7 x 4.4 x 9.7 inches |

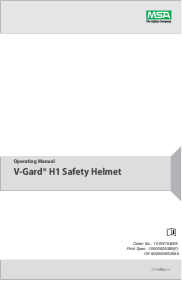


| Feature         | Detail  |
|-----------------|---|
| Weight          | Approximately 0.01 ounces (shell only, without suspension)                |
| Color           | Red   |
| ANSI Standard   | Z89.1-2003, Type 1 Class C  |
| Suspension Type | Fas-Trac Ratchet (4-point or 6-point)                                     |
| Features        | Cooling Vents, Lightweight Design, Lateral Contours, Glaregard™ Underbrim |

## 7. WARRANTY AND SUPPORT

For specific warranty information regarding your MSA Advance Series Vented Hard Hat, please refer to the documentation provided at the time of purchase or contact MSA directly. MSA stands behind the quality of its products. For technical support, replacement parts, or further assistance, please visit the official MSA website or contact their customer service department.

### Related Documents - 10034031

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|  | <p><a href="#">MSA V-Gard TYPE I Protective Helmet: Instructions and Safety Guide</a></p> <p>Comprehensive instructions and safety warnings for the MSA V-Gard TYPE I Protective Helmet, including adjustment guides and usage information. Learn how to properly fit and use your MSA hard hat.</p> |
|  | <p><a href="#">MSA V-Gard C1 Type I Protective Helmet Instructions</a></p> <p>Comprehensive instructions for the MSA V-Gard C1 Type I Protective Helmet, covering assembly, adjustment, and safety warnings in multiple languages.</p>   |
|  | <p><a href="#">MSA V-Gard® H1 Safety Helmet User Instructions</a></p> <p>Comprehensive user instructions and safety guide for the MSA V-Gard® H1 Safety Helmet, covering proper use, adjustment, inspection, maintenance, storage, and accessory information for head protection.</p>                |

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|    | <p><a href="#">V-Gard® H1 Safety Helmet Operating Manual</a></p> <p>Comprehensive operating manual for the MSA V-Gard® H1 Safety Helmet, covering safety instructions, suspension adjustment, chin strap adjustment, inspection, maintenance, storage, and accessories.</p>  |
|   | <p><a href="#">MSA ALTAIR Pro Single Gas Detector Operating Manual - Safety and Usage Guide</a></p> <p>This operating manual provides detailed instructions, safety guidelines, calibration procedures, and troubleshooting for the MSA ALTAIR Pro Single Gas Detector. Learn how to use and maintain your gas detection instrument effectively.</p> |
|  | <p><a href="#">MSA Cairns 880 Traditional Fire Helmet Product Specification</a></p> <p>Detailed product specification for the MSA Cairns 880 Traditional Fire Helmet, outlining its design, performance criteria, materials, safety standards, and warranty information for structural firefighting applications.</p>                                |