

# Type I Protective Helmet



**MSA**  
The Safety Company

# Type I Protective Helmet (Supplemental Information on Instructions and Warnings)

**Note:** This Type I Protective Helmet training material references the instruction manual on the packaging for all Type I Protective Helmets. MSA Type I helmets include the V-Gard® (hat and cap), SmoothDome™, Topgard®, Topgard® HTE (hat and cap), Thermalgard® caps, Advance®, Skullgard®, Comfo Cap® and Canadian Super-V™. These MSA helmets comply with ANSI Z89.1 - 2003 TYPE I. The V-Gard, Topgard, and Thermalgard caps with 1-Touch® or Fas-Trac® suspensions are also certified to CSA Z94.1-2005, TYPE I. If, after reading these instructions, you have any doubt about the protection offered by this helmet or if you have any questions, please call: 1-800-MSA-2222.

**Warning:**  
Suspension and helmet sizes must match (example: use only standard size suspension with standard size helmet). Otherwise, helmet protection ability will be reduced and may result in serious personal injury or death.

**Installing and Adjusting the Suspension:**  
All helmets are shipped with the suspension uninstalled to prevent distortion during shipping.

**To Install the Fas-Trac, Staz-On, or 1-Touch suspension (4- and 6-point models):**

- Set the helmet upside-down on its crown.
- Line up the suspension so that the sweatband is at the front next to the brim (Figure 1).

- Fold the sweatband over the headband as you would wear it.
- Fold the clips out and up. The strap will wrap between the clip and the headband and between the clip and the shell of the helmet.
- Push each of the four clips into its slot (Figure 2). You should feel and hear them snap into place.
- For 6-point suspensions take one of the two double clips on each side of the center of the suspension and push it into the slots on each side of the accessory slot inside the shell (Figure 3). Repeat for opposite side.

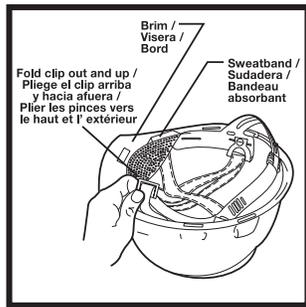


Figure 1

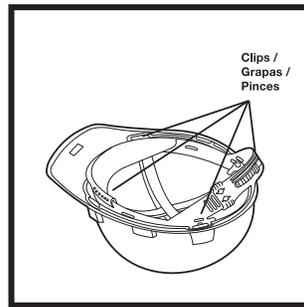


Figure 2

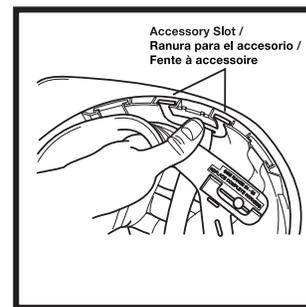


Figure 3

**Adjusting a Fas-Trac, Staz-On, or 1-TOUCH suspension (4- and 6-point models):**

- For FAS-TRAC suspensions, turn the knob counter-clockwise to open the ratchet band to its maximum size (Figure 4).
- For STAZ-ON suspensions, squeeze the lock on the nape strap to release the ratchet and pull the nape strap to the maximum open position (Figure 5).

- For 1-TOUCH suspensions, squeeze the lock on the nape strap to loosen (Figure 7).
- Place the helmet on your head and push down on its top until the headband and shell are at a comfortable height. Be sure to leave airspace between your head and the crown of the helmet. Your head should not be touching the crown. The airspace provides a shock cushion to help protect your head.

- For Fas-Trac suspensions, tighten the ratchet band by turning the knob clockwise (Figure 4).
- For Staz-On suspensions, tighten the nape strap while sliding the tab to your left until the headband fits comfortably (Figure 6).
- For 1-TOUCH suspensions squeeze the finger tabs on each strap together to tighten (Figure 8).



Figure 4

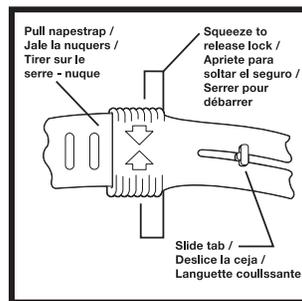


Figure 5

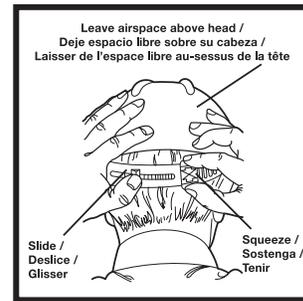


Figure 6

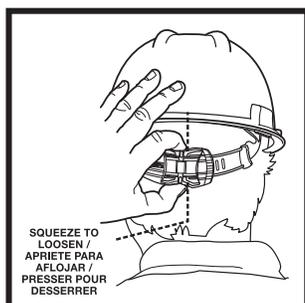


Figure 7

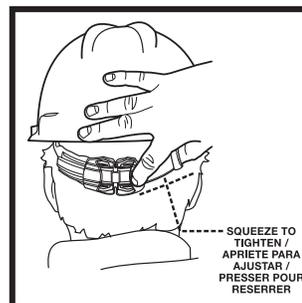


Figure 8

## Installing and Adjusting a UniPro® Suspension:

### Warning:

- Use this suspension only with medium size V-Gard caps.
- Do not reverse the UniPro Suspension in the helmet or wear the helmet backwards.

**Failure to follow these warnings can result in altered helmet performances and may result in serious personal injury or death.**

### Installation:

- Orient suspension assembly with nape strap toward back of helmet. **(See Figure 9)**
- Suspension should be positioned with smooth side to the user. Push suspension clips into helmet lugs. You should hear them snap into place.
- Orient the sweatband per **Figure 10 and 11** with the white mesh as shown.
- Insert two plastic arrowheads (on front of headband) into the foam sweatband slots near the center. **(See Figure 10)**

- Simply wrap the sweatband around the outside of the headband, and hook over lugs on each side of headband. **(See Figure 11)**
- Fold sweatband over crown of the headband suspension. The smooth foam (gray side) should be in contact with the users head. **(See Figure 12)**
- Lace nape strap through plastic buckle and press button into hole estimated to your head size. **(See Figure 13)**

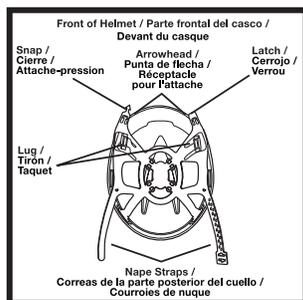


Figure 9

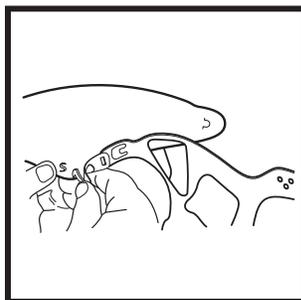


Figure 10

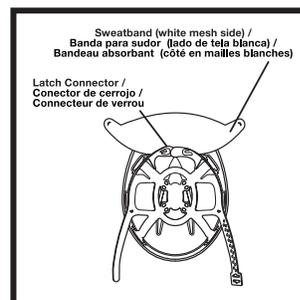


Figure 11

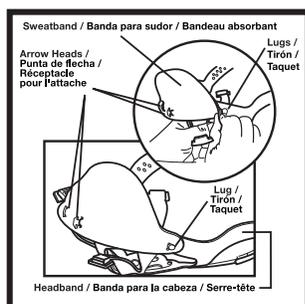


Figure 12

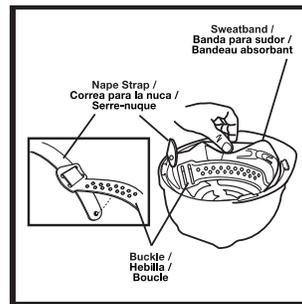


Figure 13

### Adjusting a UniPro Suspension:

- Place the helmet on your head to test the sizing.
- If too tight for comfort, remove helmet and change nape strap button for a larger size. If helmet is too loose to remain stable on head, remove helmet and change nape strap button for a smaller size.

### Inspection:

Before and after each use, inspect the helmet for wear and damage:

#### Shell

- Inspect the shell for breakage, cracks, craze pattern, discoloration, chalky appearance, or any other unusual condition.

Do not use the helmet if the shell displays any of these conditions. Any of the above conditions can indicate that the helmet has lost its capacity to protect from impact, penetration, and/or electrical shock.

### Suspension

- Check the suspension for loss of flexibility.
- Check the suspension for cracks, breaks, frayed straps, or damaged stitching.
- If any of these conditions are found, replace the suspension before wearing the helmet.

### Helmet Care:

- Clean the helmet assembly regularly with Confidence Plus Cleaner (P/N 10009971 or 10032737) from MSA or mild soap (no detergents) and warm water.
- Helmets must be cleaned regularly so they can be adequately inspected. A clean suspension also helps to avoid skin irritation.
- Do not throw, drop, or use the helmet as a support. Like any piece of specialized equipment, this helmet must not be abused.
- Store helmet in a clean, dry environment, not over 49° C (120°F).

### Useful Service Life Guidelines:

This helmet was made with high quality, wear-resistant materials, but it will not last forever.

- Inspect the helmet regularly and replace it or any part necessary. Never take a chance with your safety.
- Suspension - Replace after no more than 12 months of use.
- Entire Helmet - Replace after no more than five years of use.

Remember that these are the maximum useful service life guidelines. If you notice wear or damage during a regular inspection, replace the helmet or suspension, no matter how long it has been in use.

- Always replace the helmet after it has withstood an impact or penetration.

**Warning:**

**Failure to follow these warnings can result in serious personal injury or death.**

- This helmet provides limited impact and penetration protection to the top of the head.
- It is not specifically designed to protect against front, side, or rear (that is, "lateral") blows. If you need lateral protection, contact MSA.
- This helmet complies with the ANSI Z89.1 - 2003 Standard for Industrial Protective TYPE I helmets and in most circumstances should be effective against small tools, bolts, rivets, and similar hazards; however, some conditions can exceed this hardhat's capacity to protect against serious injury or death. Avoid areas where the chance of severe impact or penetration exists.

- CLASS E and G helmets provide limited electrical protection as outlined in the ANSI Z89.1 - 2003 Standard. Class C helmets provide no electrical protection. Avoid exposure to live electrical conductors.
- This helmet must fit securely on the head to provide maximum protection.
- Never store gloves, cigarettes, earplugs, etc., between the suspension and the shell. Objects in this space can transmit large forces to the head and neck, resulting in serious injury or death.
- Never use this helmet as a vehicular or sports helmet.

- Inspect the helmet before and after each use. Replace any part showing wear or damage.
- Never exceed useful service life guidelines of helmet as outlined in these instructions. Replace components or helmet as required.
- Never alter or modify this helmet in any way.
- Never use paint, solvents, or hydrocarbon type cleaners (that is, M.E.K., thinner, gasoline, kerosene) on this helmet. These may cause unnoticeable damage.

**Note:** This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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