

# Instructions, Warnings, and Cautions for Type I Helmets



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

**Note:** This Type I Protective Helmet training material references the instruction manual printed on helmet packaging for all Type I Protective Helmets. MSA Type I helmets include V-Gard® Caps and Hats, V-Gard 500 Vented and Non-Vented Caps, SmoothDome® Caps, Topgard® Caps and Hats, Thermalgard® Caps, Thermal-E Caps, Skullgard® Caps and Hats, and Comfo® Caps. These MSA helmets comply with ANSI/ISEA Z89.1 - 2009 for Type I helmets. V-Gard Caps (standard size ONLY) and Hats, SmoothDome Caps, Topgard Caps and Hats, Thermalgard Caps, and Thermal-E Caps are also certified to CSA Z94.1-2005 for Type I helmets provided that the helmet is assembled with MSA's 1-Touch® or Fas-Trac® Suspension. If, after reading these instructions, you have questions concerning protection offered by these helmets, please call MSA Customer Service at 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 suspension uninstalled to prevent distortion during shipping.

### Installing Fas-Trac, Staz-On, or 1-Touch Suspensions (4- and 6-point models):

- Set helmet upside down on its crown.
  - Line up suspension so that sweatband is at front next to brim (Figure 1).
- NOTE:** If helmet label displays reverse symbol , suspension may be installed in reverse (sweatband opposite brim) to allow helmet to be worn with brim at rear of head (Figure 2).

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

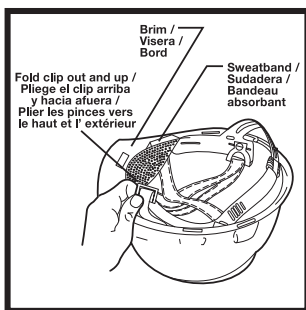


Figure 1

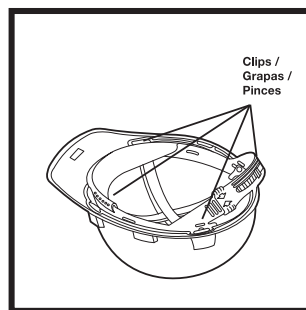


Figure 2

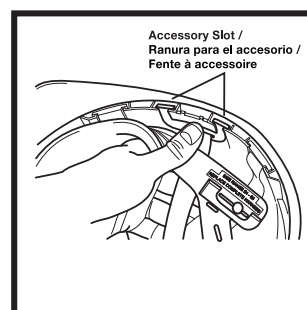


Figure 3

## Adjusting Fas-Trac, Staz-On, or 1-Touch Suspensions (4- and 6-point models):

- For Fas-Trac Suspensions, turn knob counter-clockwise to open ratchet band to its maximum size. Turn knob clockwise to tighten and fit (Figure 4).
- For Staz-On Suspensions, tighten nape strap while sliding tab to your left until headband fits comfortably (Figure 5 & 6).
- For 1-Touch Suspensions, squeeze lock on nape strap to loosen, and squeeze finger tabs together to tighten (Figure 7 & 8).

Place helmet on your head and push down on its top until headband and shell are at comfortable height. Be sure to leave air space between your head and helmet crown; your head should not touch crown. Air space provides a shock cushion to help protect your head.

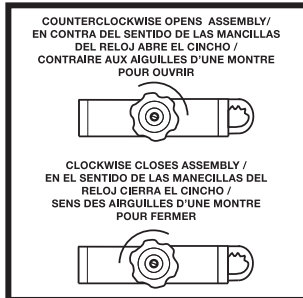


Figure 4

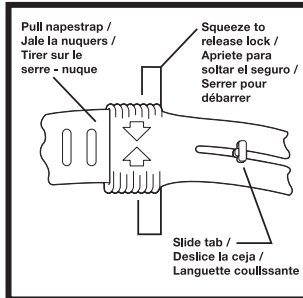


Figure 5

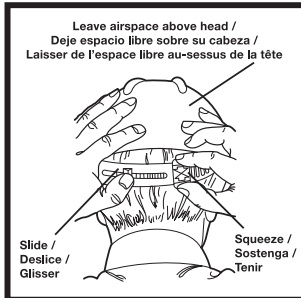


Figure 6

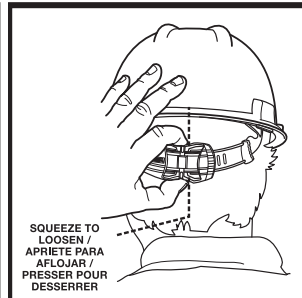


Figure 7

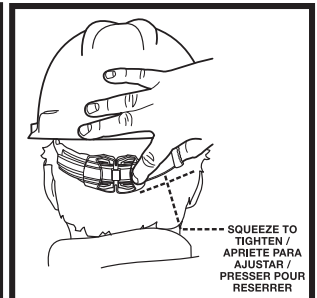


Figure 8

### 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.
- If any of these conditions exist, replace shell immediately, as these conditions can indicate that helmet has lost its capacity to protect from impact, penetration, and/or electrical shock.

#### Suspension

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

### Helmet Care:

- Clean helmet assembly regularly with MSA's Confidence Plus® Cleaning Solution (P/Ns 10009971 or 10032737) or mild soap (no detergents) and warm water.
- Helmets must be cleaned regularly in order to be adequately inspected. A clean suspension also helps to offset skin irritation.
- Do not throw, drop, or use helmet as support. As with any piece of specialized equipment, this helmet must not be abused.
- Store helmet in clean, dry environment, not over 49° C (120°F).

**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.



### Useful Service Life Guidelines:

This helmet was made with high-quality, wear-resistant materials, but it will not last forever. Inspect your helmet before and after each use and replace any part(s) as required. Always replace your helmet after it has withstood an impact or penetration. As the manufacturer of your helmet, we recommend that you replace the following:

- Suspension - replace after no more than 12 months of use.
- Shell - replace after no more than five years of use.

### Warning:

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

- This helmet provides limited impact and penetration protection to top of head.
- This helmet is not specifically designed to protect against front, side, or rear (that is, "lateral") blows.
- As an Industrial Protective Type I helmet, this helmet should be effective against small tools, bolts, rivets, and similar hazards. Some conditions can exceed this helmet's capacity to protect against serious injury or death. Avoid areas where chance of severe impact or penetration exists.
- CLASS E and G helmets provide limited electrical protection as outlined in ANSI/ISEA Z89.1-2009 and CSA Z94.1-2005. Class C helmets provide no electrical protection.

- This helmet must fit securely on head to provide maximum protection.
- Never store gloves, cigarettes, earplugs, etc., between suspension and helmet shell, as objects in this space can transmit large forces to head and neck resulting in serious injury or death.
- Never use this helmet as a vehicular or sports helmet.
- Never alter or modify this helmet in any way.
- Never use paint, solvents, or hydrocarbon-type cleaners (M.E.K., thinner, gasoline, kerosene) on this helmet, as these substances may cause unnoticeable damage.

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