**Type I Protective Helmet**

**warnings, cautions, and instructions**

**WARNING**

**These instructions must be properly read by all individuals who wear or maintain this helmet. Inability to read these instructions thoroughly and accurately can result in injury or death.**

**FAILURE TO FOLLOW THE WARNINGS LISTED BELOW CAN RESULT IN SERIOUS PERSONAL INJURY OR DEATH.**

- This Type I helmet provides LIMITED impact and penetration protection to the top of the head.
- MSA Type I helmets are specifically designed to protect against lateral blows from the front, side, or rear of the head. Lateral impacts can result in serious personal injury or death.
- These substances can damage the helmet materials in a way that is not immediately obvious.
- Failure to follow the suspension replacement procedure may result in serious personal injury or death.
- This helmet meets the requirements of the ANSI Z89.1, 1997 Standard. Sample helmets are proof tested to 2,200 volts (RMS) for Class G and 20,000 volts (RMS) for Class E, but these should not be construed as an actual voltage rating.
- If, after reading these instructions, there is ANY doubt as to the degree of protection offered by this helmet, or if there is confusion concerning the instructions, contact MSA. If you have any questions or require additional information, please call 1-800-MSA-2222, or write to MSA, P.O. Box 426, Pittsburgh, PA 15230.

**HELMET DESCRIPTION**

This helmet is a system consisting of a shell and suspension which work together as a unit. An optional chinstrap is available with the suspension to provide additional head support. This helmet is designed to provide limited impact and penetration protection to the wearer's head in the event of a blow to the top of the head. Class G and E helmets are also designed to provide LIMITED electrical insulation protection. This helmet has been shipped with suspension disengaged from shell to prevent distortion during shipping. Install suspension as follows:

1. Lift the helmet on top.
2. Line up the suspension so that the sweatband is on the side of the helmet with the Müsma cushioned on the trim.
3. Fold the clips up and out (Fig. 1) until (Fig. 2) riveted.
4. Line up the clips with the slots. Push each of the four clips into its slot (Fig. 3). You should feel and hear them snap into place.

**CAUTION**

- Do not pull on the headband during installation. Pull on the welding only, otherwise damage may occur to the suspension.
- Do not mix suspension and helmet sizes. Use only MSA suspensions on an MSA helmet.
- Failure to comply with the above will reduce the energy absorbing ability of the protective helmet which can result in serious personal injury or death.

**INSTRUCTIONS FOR ADJUSTING SUSPENSION**

**Face Trak™ Suspension**

U.S. Patent No. 5,382,494

1. Open ratchet band by turning the ratchet knob clockwise as shown in Figure 5.
2. Push top crown strap toward crown of protective helmet; bottom crown strap will move in opposite direction (Fig. 8B).
3. Place helmet on head and push down on top of helmet until comfortable wearing height is reached. Tighten ratchet band while on head by turning knob clockwise as shown in Figure 8. Tighten until comfortable fit is obtained.
4. To remove helmet, napestrap can be loosened while on head and pulling telescoping portion of napestrap with right hand.

**STAZ-ON™ Suspension**

1. Push top crown strap toward crown of helmet; napestrap will move in opposite direction (Fig. 8B).
2. Place helmet on head and push down on top until comfortable wearing height is reached. Tighten ratchet band while on head by turning knob clockwise as shown in Figure 8A. Tighten until comfortable fit is obtained.
3. To remove helmet, napestrap can be loosened while on head and pulling telescoping portion of napestrap with right hand.

**HELMET INSPECTION**

The performance of the helmet can be affected by several things, including ultraviolet (UV) light, impact, hot/cold, chemicals, etc. (See Useful Service Life Section). Before and after each use, inspect the helmet as follows:

- Visual; inspect the shell for breakage, cracks, craze pattern, discoloration, chipped or broken parts.
- Check the shell for tightness by grasping it firmly at four points. If the shell can be pulled away from the headband, it may need to be replaced.
- Check for loss of flexibility of the suspension. Check for cracks, breaks, tears, or cuts on the helmet. Check for unusual wear on the helmet. Check for frayed straps or damaged stitching. If ANY are found, the suspension MUST be replaced IMMEDIATELY.
- Excessive high temperature exposure can cause blistering, bubbling to the interior and exterior surfaces of any protective helmet. If any of these conditions occur, replace the helmet IMMEDIATELY.

**SUSPENSION**

Check for loss of flexibility of the suspension. Check for cracks, breaks, frayed straps, or damaged stitching. If ANY are found, the suspension MUST be replaced IMMEDIATELY.

**HELMET CARE**

Helmets MUST be cleaned regularly to allow adequate inspection and to help the wearer to avoid skin irritation. Clean ONLY with Cleaner- Ger and then slide tab (C) with thumb of opposite hand as shown in Figure 8B. Grasp tab on sweatband and reposition “collar” in desired size marked on the band. Buttons may be replaced even if the helmet appears in good shape. MSA recommends the following replacement schedule:

- Neck Chinstrap - Replace after MORE than 12 months.
- Elastic Chinstrap - Replace before any one of the conditions listed above occur. If helmets are replaced or modified, MSA reserves the right to make any necessary changes to the helmet and its accessories without notice or liability. It is the responsibility of the user to inspect the helmet and its accessories. This helmet was designed with high quality, wear resistant materials, but it MAY NOT last forever. The protective properties of the helmet WILL degrade by exposure to many common work environments, such as temperature extremes, chemical exposure, UV radiation, and normal day-to-day wear and tear.

**USEFUL SERVICE LIFE GUIDELINES**

**THE USEFUL SERVICE LIFE BEGINS WHEN THE HELMET IS PLACED IN SERVICE.**

This helmet was designed with high quality, wear resistant materials, but it MAY NOT last forever. The protective properties of the helmet WILL degrade by exposure to many common work environments, such as temperature extremes, chemical exposure, UV radiation, and normal day-to-day wear and tear. The user MUST inspect the helmet regularly (See Helmet Inspection Section) and replace it if any part necessary. NEVER take a chance with your safety. In extreme exposure conditions, the helmet (or certain parts) may need to be replaced even if the helmet appears in good shape. MSA recommends the following replacement schedule:

- Suspension - Replace after MORE than 12 months.
- Elastic Chinstrap - Replace before any one of the conditions listed above occur.

**NOTE:** Remember that these are the **MAXIMUM** useful service life guidelines. Wear or damage noticed during a regular inspection MUST be the determining factor for possible earlier replacement. In any case, ALWAYS replace the helmet after it has withstood impact or penetration.
“Quality Helmets From the Leader In Head Protection”
Other products available. For additional information, please call MSA customer service 1-800-MSA-2222.

WARNING

- KEEP THIS BAG AWAY FROM BABIES AND CHILDREN. DO NOT USE IN CRIBS, BEDS, CARRIAGES OR PLAY PENS. THE THIN FILM MAY CLING TO NOSE AND MOUTH AND PREVENT BREATHING.
- HELMET IS TO BE REMOVED FROM BAG ONLY BY THE END USER.
- ALL INSTRUCTIONS ON BOTH SIDES OF BAG MUST BE CAREFULLY READ AND FOLLOWED WITH SPECIAL ATTENTION TO ALL WARNINGS AND CAUTIONS.

WARRANTY

MSA warranties this product against defects in material and workmanship for 12 months from the date of purchase.

UniPro™ Suspension
for Medium Cap and Standard Hat

INSTALLATION INSTRUCTIONS

The complete instructions procedure must be read and understood by the user before assembly and use. Refer to the instructions provided with the MSA helmet.

INSTALLATION

1. Orient suspension assembly with nape strap toward back of helmet. (See Figure 1)
2. Suspension should be positioned with smooth side to the user. Push suspension clips into helmet lugs. You should hear them snap into place.
3. Assemble the Latch Connection by fastening the Latch and Snap together. (See Figure 2)
4. Orient the sweatband per Figure 3 and 4 with the white mesh as shown.
5. Insert two plastic arrowheads (on front of headband) into the foam sweatband slots (near the center). (See Figure 3)
6. Simply wrap the sweatband around the outside of the headband, and hook over lugs on each side of Headband. (See Figure 3)
7. Fold sweatband over crown of the headband suspension. The smooth foam (gray side) should be in contact with the user's head.
8. Lace nape strap through plastic buckle and press button into hole estimated to your head size.

Adjust for comfort by moving pin. Adjust inward to tighten, outward to loosen.

Inspection and Use Guidelines for UniPro Suspension

Visually inspect the suspension for breakage, cracks, craze pattern, discoloration, or any other unusual conditions. Check the suspension for brittleness by flexing. If ANY of these conditions are found, the suspension MUST be replaced IMMEDIATELY.

V-Gard® Unipro Service Life

THE USEFUL SERVICE LIFE BEGINS WHEN THE HELMET IS PLACED IN SERVICE.

This helmet was designed with high quality, wear resistant materials, but it WILL NOT last forever. The protective properties of the helmet WILL be degraded by exposure to many common work environment, such as temperature extremes, chemical exposure, UV radiation, and normal day-to-day wear and tear.

The user MUST inspect the helmet regularly (see Helmet Inspection section) and replace it or any part necessary. NEVER take a chance with your safety. In extreme exposure conditions, the helmet (or certain parts) may need to be replaced even if the helmet appears in good shape. MSA recommends the following replacement schedules:

Suspension- Replace after no more than 12 months
Entire Helmet- Replace after no more than 5 Years

Wear of damage noticed during a regular inspection MUST be the determining factor for possible earlier replacement.

WARNING

- Use this suspension only with medium size V-Gard® cap or standard size V-Gard® hat.
- DO NOT reverse the Unipro Suspension in the hard hat or wear the hard hat backwards.

FAILURE TO FOLLOW THESE WARNINGS CAN RESULT IN ALTERED HELMET PERFORMANCES AND MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.