

3M

Speedglas™ 9100 – Welding Helmet and Hardhat Adapter for use with 3M™ XLR8 Hardhat, and Other Alternate Hardhat Configurations

**** Refer to 3M™ Speedglas™ 9100 Welding Helmet, 3M™ XLR8 Hardhat, or Listed Alternate Hardhat Complete User's Instructions for List of Product Warnings and Proper Use**

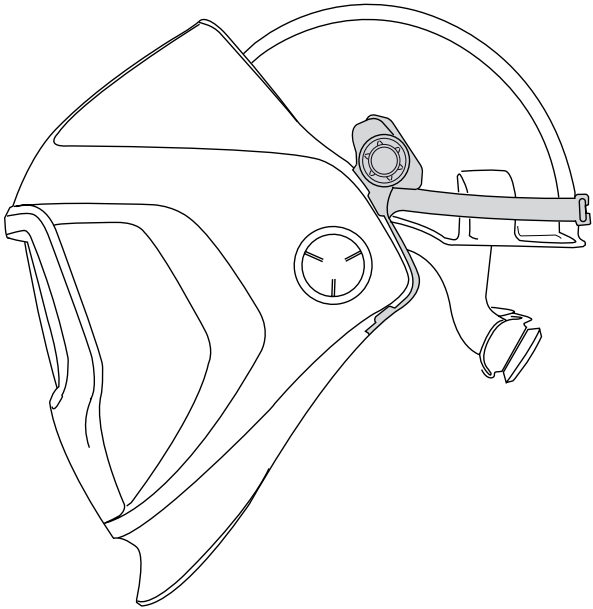
Ensemble masque pour soudeurs et adaptateur de casque dur 9100 Speedglas™ à utiliser avec le casque dur XLR8 3M™ et d'autres configurations de casque dur

**** Consulter les directives d'utilisation complètes du masque pour soudeurs 9100 Speedglas™, du casque dur XLR8 3M™ et des autres casques durs indiqués pour connaître les mises en garde et les directives d'utilisation adéquates du produit.**

Speedglas™ 9100 – Careta para soldadura y Adaptador de casco para uso con Casco 3M™ XLR8 y otras configuraciones alternativas de Casco

****Remítase a las Instrucciones de Careta para soldadura 3M™ Speedglas™ 9100, Casco 3M™ XLR8 o Casco alternativo listado para consultar la lista de advertencias y uso adecuado del producto.**

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WARNING

- This is an addendum to the *User Instructions* for the 3M™ Speedglas™ 9100 Auto-Darkening Welding Helmets. Always read and follow the *User Instructions* provided with each individual component of any welding helmet or hard hat assembly. *User Instructions* include important warnings and use limitations. **Failure to do so may result in sickness or death.**
- Do not use any welding product without appropriate training. For proper use, see supervisor or *User Instructions* or call 3M in U.S.A. 1-800-243-4630. In Canada, call 1-800-267-4414. **Failure to do so may result in sickness or death.**
- Always wear ANSI Z87.1-2003 compliant safety spectacles in addition to any welding helmet. **Failure to do so may result in permanent eye injury and vision loss.** In Canada, follow CSA Z94.3 and/or the requirements of the authority having jurisdiction in your region.

Introduction

Two ANSI standards cover performance requirements for welding shields combined with hard hats: Z87.1-2003 Eye and Face Protection Devices and Z89.1-2003 Industrial Head Protection. Both standards require welding helmets and hard hats to be tested as a complete assembly, as they would be worn by a welder. Assembling a welding hard hat using components from different manufacturers or brands voids ANSI compliance unless tests verify that the assemblies remain compliant with the ANSI requirements. These *User Instructions* cover the 3M™ Speedglas™ 9100 welding helmet models listed in Table 1, mounted to certain hard hats that have been independently tested for compliance with the above referenced ANSI standards. In all cases, the 3M™ Speedglas™ 9100 Hardhat Adapter for 3M™ Speedglas™ 9100 helmets (part number 06-0014-00NR) was used as the mounting device.

IMPORTANT: To maintain ANSI compliance, use only the exact components listed in these *User Instructions*.

Specifications

- Eye and Face Impact: ANSI Z87.1-2003 high impact protector (Z87+)
- Head Impact: ANSI Z89.1-2003, Type I (top impact). Refer to hard hat literature for electrical rating.

Table 1. 3M™ Speedglas™ Welding Helmet Options	
Speedglas™ Helmet Model	Description
06-0100-10	9100, ADF 9100V, Shades 5,8-13
06-0100-10SW	9100 with Sidewindows, ADF 9100V, Shades 5,8-13
06-0100-20	9100, ADF 9100X, Shades 5,8-13
06-0100-20SW	9100 with Sidewindows, ADF 9100X, Shades 5,8-13
06-0100-30	9100, ADF 9100XX, Shades 5,8-13
06-0100-30SW	9100 with Sidewindows, ADF 9100XX, Shades 5,8-13

Hard Hat Options

The configurations that were tested and passed the above referenced ANSI impact test requirements are summarized in Table 2. Use with hardhats other than those listed in Table 2 have not been tested as complete assemblies and would void compliance with the above reference ANSI standards. These *User Instructions* do not cover 3M™ Speedglas™ ProTop or other 3M™ Speedglas™ systems sold complete with hard hats.

Table 2. Hard Hat Options		
Manufacturer	Hard Hat Model	Hard Hat Part No.
3M	XLR8 with 6 Point Ratchet	45995-00001
MSA	V-Gard® w/Fas-trac Suspension	475358 thru 475365 & 488146
MSA	Thermalgard® w/Fas-trac Suspension	486959 thru 486963, 487677, 800360, 814343, 10095325
Fibre-Metal®	E2 w/Ratchet Suspension	E2 with 3-RW2 suspension
Bullard®	Classic Series w/6pt. Ratchet Suspension	C30R
Bullard®	S61 w/ Flexgear	S61R
Jackson Safety®	SC6 w/ Ratchet Suspension 391	3001987 thru 3001996

Assembly Instructions

- Follow Figs. 1-7, to properly remove and replace the 3M™ Speedglas™ headgear with the 3M™ Speedglas™ 9100 Hardhat Adapter as shown in Figs. 1 thru 4.
- Assure to re-configure the head suspension in the hardhat to face the brim backwards as is shown in Fig. 5.
- Attach the 3M™ Speedglas™ 9100 assembly to the hardhat as shown in Fig. 6 and adjust the Hardhat Adapter “pin lock” for a tight fit around the hardhat as shown in Fig. 7 for a completed assembly.

FOR MORE INFORMATION

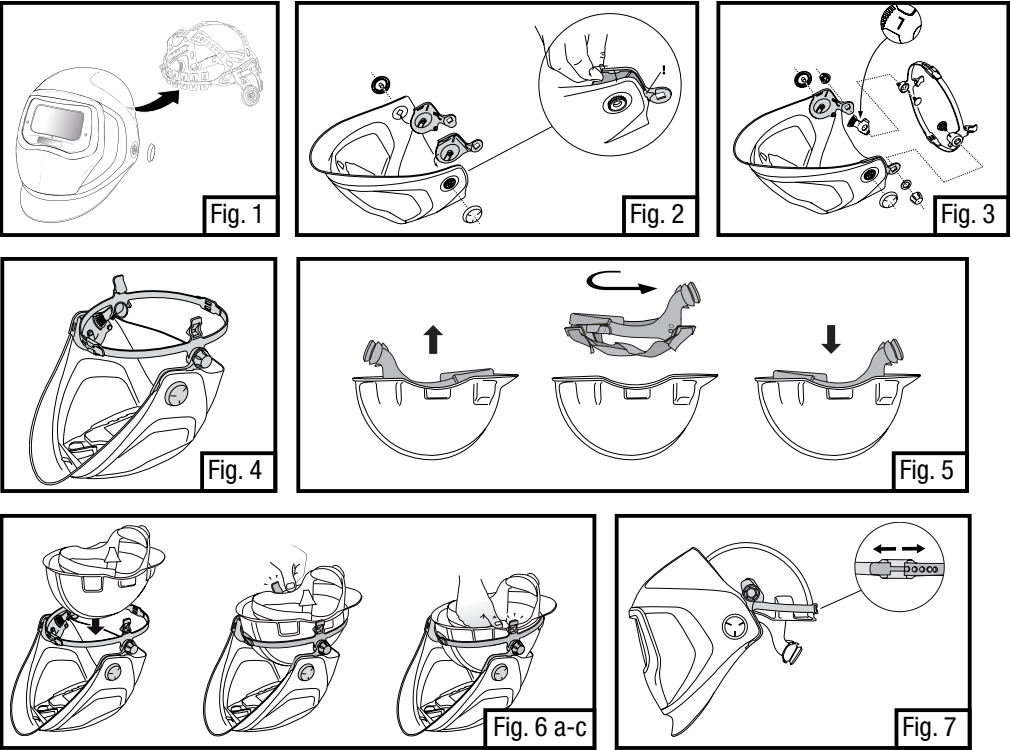
In United States, contact:

Website: www.3M.com/OccSafety

Technical Assistance: 1-800-243-4630

For other 3M products:

1-800-3M-HELPS or 1-651-737-6501



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