



# Optimum Comfort and Protection

## **Designed to offer enhanced comfort and protection to professionals**

The 3M™ Speedglas™ Welding Helmet 9100 features a flexible head suspension that conforms to the welder's head to reduce pressure in pressure-sensitive areas. Redesigned pivot knobs allow users to adjust the amount of force placed on the detente'. The 9100 model covers more vulnerable areas, such as the ears and the sides of the neck compared to previous models. Three auto-darkening filter options are available - 9100V, 9100X and 9100XX, which is 30% larger than our current ADFs. Side window features with replaceable covers allow for enhanced peripheral and downward viewing to improve safety and reduce the "tunnel vision" effect.

# 3M™ Speedglas™ Welding Helmet 9100



## Innovative Head Suspension

- Front of headband self-adjusts with proprietary bogie pads to help reduce pressure and increase blood flow.
- Back of headband is self-adjusting and swivels to fit different head shapes.
- Four settings let you determine the distance between your face and the helmet.
- Unique two-strap crown adjustment for increased stability and reduced pressure.
- Smooth ratchet mechanism lets you manually tighten the helmet to your personal preference.



## Improved Helmet Angle Adjustment and Pivot Action

- Lowered center of gravity helps make the helmet feel more balanced and stable in all positions, which lessens the need to over-tighten the headband.
- Helmet offers unique pivot action. The right pivot knob controls the up and down tension, and the left pivot knob controls the force in the “locked-up” or parking position.



## Superior Optics

- Three auto-darkening filters (ADFs) of differing sizes are available (V, X, XX), with built-in mag plate holder.
- Features seven user-selectable dark shades (5, 8-13), and the option to lock-in your shade for torch and plasma cutting.
- Offers a tack welding comfort mode to help reduce eye fatigue, and a shade 3 grinding mode.



Part No.	AAD No.	3M™ Speedglas™ Description	Case Qty	UPC
<b>Helmet Assemblies</b>				
06-0100-10		Helmet 9100 with ADF 9100V	1 each	00051135893531
06-0100-20	37172	Helmet 9100 with ADF 9100X	1 each	00051131371729
06-0100-30	37191	Helmet 9100 with ADF 9100XX	1 each	00051131371910
06-0100-10SW		Helmet 9100 with ADF 9100V, Side Windows	1 each	00051135893548
06-0100-20SW		Helmet 9100 with ADF 9100X, Side Windows	1 each	00051135893562
06-0100-30SW		Helmet 9100 with ADF 9100XX, Side Windows	1 each	00051135893876
<b>Select Parts and Accessories*</b>				
06-0200-51	37174	Outside Protection Plate, Standard	10 each	50051131371748
06-0200-52		Outside Protection Plate, Scratch Resistant	10 each	50051135893604
06-0200-53		Outside Protection Plate, High Temperature	10 each	50051135893611
06-0200-10		Inside Protection Plate, 9100V	5 each	50051135893505
06-0200-20	37176	Inside Protection Plate, 9100X	5 each	50051131371762
06-0200-30	37177	Inside Protection Plate, 9100XX	5 each	50051131371779
06-0201-10		Starter Kit, 9100V	1 each	00051135893623
06-0201-20		Starter Kit, 9100X	1 each	00051135893630
06-0201-30		Starter Kit, 9100XX	1 each	00051135893647
06-0500-53		Side Window Cover 9100	2 each	50051135893772

## Additional Features

- Side Windows: Shade 5 filters that can help reduce “tunnel vision”
- Aerodynamic exhaust vents allow stale, exhaled air to exit the helmet to help reduce heat, humidity and fogging
- Complies with the high impact requirements of ANSI Z87.1-2010.

\*For the full listing of parts and accessories or for more information, please visit your authorized Speedglas distributor, contact your local 3M representative, or call 1-800-243-4630.

[www.speedglas.com](http://www.speedglas.com)



### Occupational Health & Environmental Safety Division

3M Center, Building 235-2W-70  
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Technical Service: 1-800-243-4630  
Customer Service: 1-800-328-1667  
[www.3M.com/PPESafety](http://www.3M.com/PPESafety)



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### ⚠ WARNING

This product is designed to help protect the wearer's eyes and face from harmful radiation including visible light, ultra-violet radiation (UV), infra-red radiation (IR), sparks and spatter resulting from welding processes. These products must be used only by qualified persons who are properly trained in their use and maintenance. Misuse may result in permanent eye injury and vision loss. Always wear ANSI Z87.1 compliant safety spectacles in addition to any welding helmet. For proper use, see supervisor, or User Instructions or call 3M in U.S.A. 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414.