

 **Speedglas™**



Adflo PAPR



Fresh-air III SAR



9100



9100-Air



9100 FX



9100 FX-Air



9100 MP



SL



100 Series



3M Welding Helmet 10



3M Headgear L-Series SG



3M Faceshield ClearVisor

PRODUCT OVERVIEW

3M Welding PPE Presentation



Product overview

Welding Helmet Options

Options	3M™ Speedglas™ Welding Helmet 9100 Series and 3M™ Headgear L-Series SG					3M™ Speedglas™ Welding Helmet SL	3M™ Speedglas™ Welding Helmet 100 series			3M™ Welding Helmet 10
Welding Filters	 9100XXi	 9100XX	 9100X	 9100V	 9100 Passive	 SL	 100V	 100S-10	 100S-11	 10V
Welding Helmets										

Options	With Hard Hat (Non-Air)			With 3M™ Adflo™ Powered Air Purifying Respirator			With 3M™ Speedglas™ Fresh Air III Supplied Air Regulator		
Welding Helmet Systems									

3M™ Speedglas™ Welding Helmet Series 100

Appropriate for most arc welding processes, including Stick, MIG/MAG and high amp TIG welding.

Magnification made easy. With holders for magnifying lens inside the helmet, attaching the lens is easier and the fit is more accurate.

Meets the requirements of CSA Z94.3 and the high impact requirements of ANSI Z87.1 – 2010.

The Speedglas welding helmet 100 is compatible with select 3M™ Disposable Welding Particulate Respirators.



Switching speed (light to dark)
of < 0.1 ms.

3M™ Speedglas™ Welding Filter 100V:
five adjustable dark shades 8-12
and a light shade of 3. Three
sensitivity settings.

3M™ Speedglas™ Welding
Filters 100S-10 and 100S-11
have single dark shades of 10
and 11, respectively, and a light
shade of 3. 1

Dark shade can be
increased to 13 or 14
using upgrade plates.

3M™ Speedglas™ Welding Helmet Series 100

Welding filter options	100V Filter	100S Filters
Grinding (clearvisor)	N/A	N/A
Viewing area, welding filter (approx.)	1.73 x 3.66 in. (44 x 93 mm)	
Battery lifetime (approx.)	1500 hours	
Solar cell	NO	
Hard hat options	YES	
Classification (per EN379)*	1/2/2/2	
Dark state	Shade 8-12	Shade 10 or 11
Light state	Shade 3	
UV/IR Protection	Shade 12 (permanent)	
Auto ON	NO	
Switching time, light –dark (approx.)	0.1 ms (+23°C)	
Delay: switching time, dark-light (approx.)	40-250 ms	100 or 200 ms
Side windows option	NO	
Exhaust vents	NO	
Number of sensors (arc detection)	2	
Approvals Head, Eye and Face protection Welding helmet, Welding filter, Protection plates	ANSI Z87.1 – 2010 / CSA Z94.3	

* Per European Standard EN 379, auto-darkening welding filters have a four-part classification: optical class / diffusion of light / variation on luminous transmittance / angle dependence. Classifications range from 1 to 3, with 1 being the best.



100V



100S-10



100S-11

FEATURES

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3M™ Speedglas™ Welding Helmet Series 100 Headband

Fits hat sizes 6 1/4 (50 cm)
through 7 7/8 (63 cm)

Adjustable crown strap for better stability.

Smooth ratchet for
precise tightening.

Snag-resistant knobs for adjusting the
helmet's pivot action – even while
wearing gloves.



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3M™ Speedglas™ Welding Helmet Series 100



18-0099-68
Throat and side protector,
leather



02-0690-00
Throat protection



06-0700-83
Full hood



06-0500-56 – 06-0500-59
Magnification plates 1.5X, 2.0X, 2.5X
and 3.0X



16-0099-30
Headcover, FR cotton



07-0014-00NR
Hard Hat adapter with assembly parts

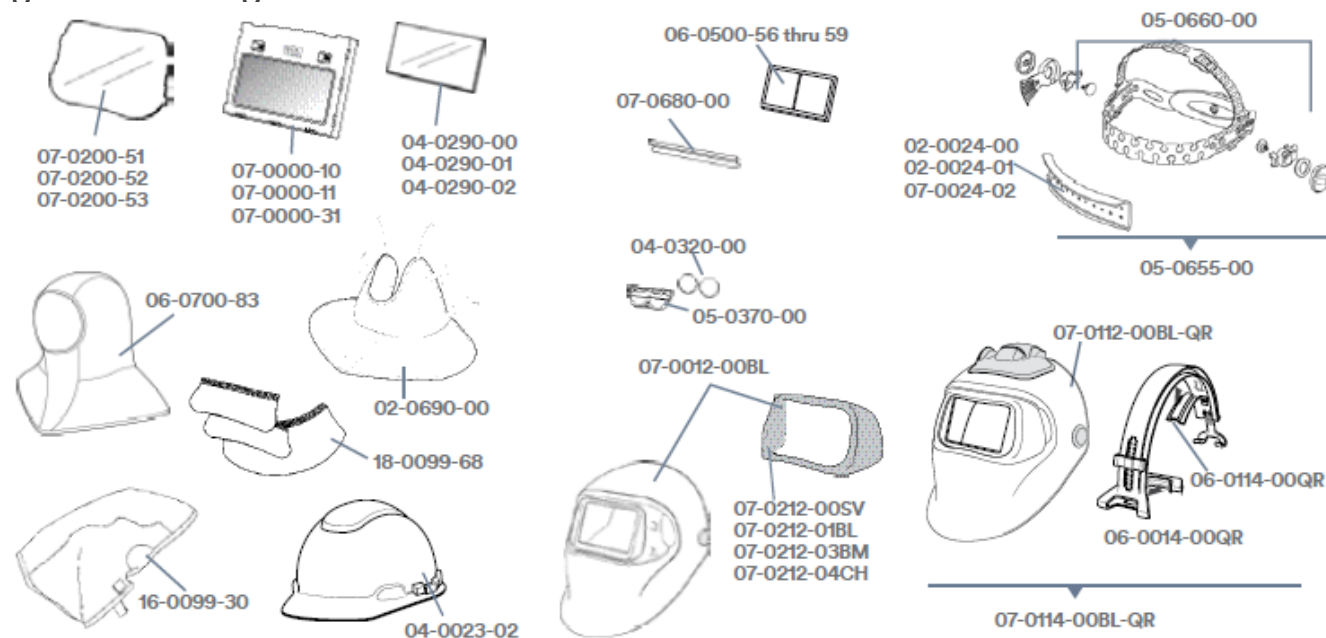


04-0023-02
Hard Hat, white



07-0012-31BL-HH
System with 3M™ Hard Hat H-701R (04-0023-02)

3M™ Speedglas™ Welding Helmet Series 100



Part No	Description
07-0012-10BL	Speedglas welding helmet 100 black with welding filter 100S-10
07-0012-11BL	Speedglas welding helmet 100 black with welding filter 100S-11
07-0012-31BL	Speedglas welding helmet 100 black with welding filter 100V

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3M™ Speedglas™ Graphic Welding Helmet Series 100

Make a Visual Impact



Future Combatant
07-0012-31FC



Tribute
07-0012-31TB



Boneyard
07-0012-31BY



Ice Hot
07-0012-31IH



Xterminator
07-0012-31XT



Razor Dragon
07-0012-31RD



Raging Skull
07-0012-31RS



Trojan Warrior
07-0012-31TW



Blazed
07-0012-31BZ



Aces High
07-0012-31AH



Steel Rose
07-0012-31SR
Designed by Veryday
(IFP)



Wild-N-Pink
07-0012-31WP



Skull Jewels
07-0012-31SJ
Designed by Veryday
(IFP)



Steel Eyes
07-0012-31SE
Designed by Veryday
(IFP)



Personal Safety Division

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Phone 1-800-328-1667

Web www.3M.com/workersafety

3M PSD products are occupational use only.

3M Personal Safety
Service & Technical Support Center

1-800-243-4630 or visit www.3M.com/workersafety

For a complete listing of parts, visit us at:
www.3M.com/weldingsafety

Note: Welding can create a variety of harmful fumes and gases. When engineering controls are impractical, respirators may be required to help reduce exposures to these airborne welding contaminants.

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⚠ WARNING

These respirators help protect against certain airborne contaminants. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. Misuse may result in sickness or death. For proper use, see packaging instructions, supervisor, or call 3M OH&ESD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.

⚠ 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.