

 **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	     <p>9100XXi 9100XX 9100X 9100V 9100 Passive</p>	 <p>SL</p>	   <p>100V 100S-10 100S-11</p>	 <p>10V</p>
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 9100

A selection of welding filters with superior optical performance for continuous viewing comfort. Arc detection down to 1 amp TIG.

Ultraviolet (UV) and infrared (IR) protection at all times, in all states.

Exhaled air is channeled out via side exhaust vents.

Ergonomically designed head suspension

Increased coverage for ear and side of head.

Side windows: Shade 5 filters that increase your field of vision.

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

View helmet in 360 degrees



3M™ Speedglas™ Welding Helmet 9100

Welding filter options	9100XXi Filter	9100XX Filter	9100X Filter	9100V Filter
Viewing area welding filter (approx.)	2.8 x 4.2 in. (72 x 107 mm)	2.8 x 4.2 in. (72 x 107 mm)	2.1 x 4.2 in. (54 x 107 mm)	1.8 x 3.7 in. (45 x 93 mm)
Battery lifetime (approx.)	1800 hours	2000 hours	2500 hours	2800 hours
Solar cell	NO	NO	YES	YES
Hard hat options	YES (Non air version)	YES (Non air version)		
Classification (per EN 379)*	1 / 1 / 1/2	1 / 1 / 1/2		
Dark state	Shade 5, 8, 9-13	Shade 5, 8, 9-13		
Light state	Shade 3	Shade 3		
UV/IR Protection	Shade 13 (permanent)	Shade 13 (permanent)		
Auto ON	Yes	NO		
Switching time, light–dark (approx.)	0.1 ms (+23°C)	0.1 ms (+23°C)		
Delay, switching time dark-light (approx.)	40–1 300 ms	40–1 300 ms		
Side windows option	YES	YES		
Exhaust vents	YES (Non-air version)	YES (Non-air version)		
Number of sensors (arc detection)	3	3		
Approvals Head, Eye and Face protection Welding helmet, welding filter, protection plates	ANSI Z87.1–2010 / CSA Z94.3	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.

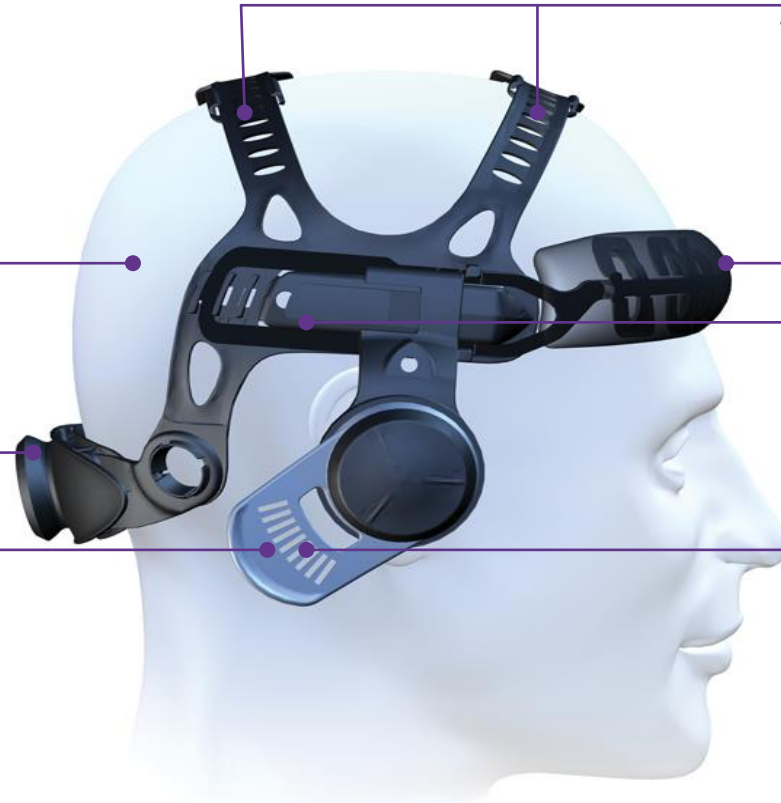
3M™ Speedglas™ Headband 9100

The headband that shapes to your head

Fits head 6.25 to 8
(50-64 cm) approx.

Smooth ratchet for precise
tightening. Back portion
can swivel to fit different
head shapes.

Snap adjustment allows
you to set the helmet at 9
different angles.



Two adjustable crown straps gently saddle the top of the head for increased helmet stability and weight distribution.

Front headband designed to self-adjust to match your forehead, more evenly distributing pressure.

Four settings allow you to keep the helmet as close as possible to your face for a great view.

Large knobs make it easier to select the settings for the up-and-down pivot action, and fully raised set-up and prep "parking" position, even when wearing gloves.

3M™ Speedglas™ Auto-Darkening Filter Series 9100

Excellent Optics, Wider Views

Magnification made easy. The magnifying lens holder is built into the welding filter, making lens installation easier and more secure.

The Speedglas welding filter series 9100 include three auto-darkening filters: regular, large and extra-large viewing area.



The tack welding comfort mode uses an intermediate shade 5 light state to help minimize eye strain during extended tack welding applications.

You can adjust the sensitivity of the arc detection for switching reliability.



New 9100XXi

The Delay function allows you to set the dark-to-light switching time.

Seven user selectable dark shades for most types of arc welding.

3M™ Speedglas™ Welding Helmet 9100 Common Accessories



06-0500-51
Extended coverage, crown



06-0500-52
Extended coverage, ear and neck



06-0700-83
Full hood



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



H505B
3M™ Peltor™ Welding Earmuff



06-0014-00NR
Hard Hat adapter with assembly parts



04-0023-02
Hard Hat, white



06-0100-10HHSW with welding filter 9100V
06-0100-20HHSW with welding filter 9100X
06-0100-30HHSW with welding filter 9100XX
Systems with 3M™ Hard Hat H-701R (04-0023-02)

3M™ Speedglas™ Welding Helmet 9100

Part No	Description	Part No	Description	Part No	Description
06-0100-10	Speedglas welding helmet 9100 with welding filter 9100V.	06-0100-30	Speedglas welding helmet 9100 with welding filter 9100XX.	06-0100-10HHSW	Speedglas welding helmet 9100 with side windows, hard hat adapter and welding filter 9100V, without hard hat.
06-0100-10SW	Speedglas welding helmet 9100 with side windows and welding filter 9100V.	06-0100-30SW	Speedglas welding helmet 9100 with side windows and welding filter 9100XX.	06-0100-10HHSW	Speedglas welding helmet 9100 with side windows, hard hat and welding filter 9100V.
06-0100-20	Speedglas welding helmet 9100 with welding filter 9100X.	06-0100-30iSW	Speedglas welding helmet 9100 with side windows and welding filter kit 9100XXi.	06-0100-20HASW	Speedglas welding helmet
06-0100-20SW	Speedglas welding helmet 9100 with side windows and welding filter 9100X.	06-0100-10HASW	Speedglas welding helmet		

