

3M™ Speedglas™ Welding Helmet Series 100
Enhanced welding performance!

IMPROVED



 **Speedglas™**



Enhanced Tools to get the **Job Done**

Upgraded variable shade welding filter and new headband design:

- Grinding Mode: locks the welding filter in light shade 3
- Delay function allows you to set the dark-to-light opening time
- More sensitivity settings than previous version
- Magnification plates easier to install

Call your local 3M representative for a hands-on demonstration!

The Power to Protect Your WorldSM

3M

Upgraded Performance

Speedglas welding helmet series 100 allows you to take advantage of great optical quality and reliable arc detection at

an affordable price. To help increase welding performance, we now offer an upgraded variable shade welding filter:

Appropriate for most arc welding processes, including Stick, MIG and higher amp TIG welding

NEW

Built-in holders for magnifying lens. Attaching the lens is easier and the fit is more precise.

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



NEW

Grinding Mode: locks in light state 3 when grinding.



NEW

Improved headband design for higher comfort and robustness, with smooth ratchet for precise tightening.

NEW

New Delay function now allows you to set the dark-to-light opening time.



100V welding filter



100S-10/100S-11 welding filters

Technical Specification	3M™ Speedglas™ Welding Filter 100V	3M™ Speedglas™ Welding Filter 100S-10	3M™ Speedglas™ Welding Filter 100S-11
Rated for	MIG, Stick, TIG >20 amps	MIG, Stick, limited TIG	MIG, Stick, limited TIG
Switching time, light-dark	Approximate 0.1 ms @ 73°F (23°C)	Approximate 0.1 ms @ 73°F (23°C)	Approximate 0.1 ms @ 73°F (23°C)
Switching time, dark-light	Approximate 40–250 ms	Approximate 150 ms	Approximate 200 ms
UV / IR protection	Shade 12 (permanent)	Shade 12 (permanent)	Shade 12 (permanent)
Viewing area	Approximate 3.66 x 1.73 in (93 x 44 mm)	Approximate 3.66 x 1.73 in (93 x 44 mm)	Approximate 3.66 x 1.73 in (93 x 44 mm)
Light state	Shade 3	Shade 3	Shade 3
Dark state	Shade 8–12 (variable)	Shade 10 (single)	Shade 11 (single)
Battery lifetime	Approximate 1500 hours	Approximate 1500 hours	Approximate 1500 hours

⚠ 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.



Personal Safety Division

3M Center, Building 235-2NW-70,
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Technical Assistance: 1-800-243-4630.
Customer Service: 1-800-328-1667
3m.com/speedglas

3M Canada Company PSD
P.O. Box 5757 London, Ontario N6A 4T1 Canada
Technical Assistance: 1-800-267-4414



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