

 **Speedglas™**

3M™ Speedglas™ SL

New Super Light Welding Shield



SAFETY • TECHNOLOGY • ERGONOMICS • DESIGN • COMFORT • INNOVATION

Welders have asked for two things in their welding shields: lower weight and more comfort. Our challenges in designing an all-new shield were to significantly reduce its weight, while maintaining the performance and protection that welders worldwide have come to expect in every 3M™ Speedglas™ product. The result of our efforts: a 360 gram auto-darkening welding shield!



The lens: lighter, with all the performance

By using new liquid crystal designs and manufacturing techniques, we are able to make the Speedglas SL auto-darkening lens much lighter than our other models, but with the same outstanding optical quality and switching performance.

The Speedglas SL welding lens can be used with most arc welding processes – such as

MMA, MIG/MAG, TIG and plasma welding.

It is particularly appropriate for low-to-moderate amperage welding (0.1 to 250 amps), with four user-selectable sensitivity settings and five dark state levels: 8, 9, 10, 11 and 12.



The shield: stronger, thinner

The Speedglas SL welding shield is made from a strong lightweight material which provides excellent protection. Unlike other materials that can absorb moisture and become heavy, the Speedglas SL shield is non-absorbent, so it retains its performance in high humidity. And we didn't cut weight by simply shrinking its size: the Speedglas SL shield's facial coverage is virtually identical to our Speedglas 9000 series.

A new motion detector automatically turns the lens on and off as the welder picks up or

sets down the shield. The outer protection plate can be quickly removed and replaced by simply grasping the plate by hand.

A snap adjustment where the shield attaches to the head harness allows the welder to select one of four different settings, moving the shield either closer to or further away from their face. These back-and-forth adjustments allow for a variety of personal preferences. The user can also adjust the tilt of the shield to set a preferred viewing angle.

The head harness: fits better, feels cooler

The new head harness design uses a pattern of holes for breathability and better conformity to the welder's head.

Resizing the head harness, or loosening it for removal, is as easy as a quick squeeze of the thumb and finger – the welder can do it with one hand, without even removing his glove.

The head harness also accommodates smaller head sizes; its full range is from 50 cm to 64 cm.



Technical Data

Technical Data 3M™ Speedglas™ SL Welding Shield	
Approvals Eye and face protection	Conforms to Australian standards AS/NZS 1337 AS/NZS 1338.1
Classification	1 / 1 / 1 / 2
Switching time, light-to-dark	0.1 ms (+23°C)
Switching time, dark-to-light	60–250 ms
UV/IR Protection	Shade 12 (permanent)
Viewing Area	42 x 93 mm
Light state	Shade 3
Dark state	Shade 8 – 12 (variable)
Weight	360 g (incl welding lens)
Battery type	Lithium 3 Volt
Battery life time	1 500 hours
Range of temperature	
Use	-5°C to +55°C
Storage	-30°C to +70°C

Note: The Speedglas™ SL welding lens cannot be installed into the Speedglas 9000 or Speedglas Utility shields. The Speedglas SL shield is not available with CO₂ reduction, SideWindows™ or powered and supplied air respiratory systems.

▶ **3M™ Speedglas™ SL Welding Shield**

70 11 20 Speedglas SL welding shield, variable shade 8–12.

▶ **Spare Parts & Accesories**

Welding shield

- 70 00 20 Speedglas SL welding lens, variable shade 8–12.
- 70 11 90 Welding shield only (excl. head harness and lens).
- 70 50 10 Head harness with attachments.
- 70 60 00 Head harness attachments.

Cover lenses

- 72 60 00 Outside standard (pk=5) plate marking 030226.
- 72 70 00 Outside scratch resistant (pk=5) plate marking 030248.
- 42 80 00 Inner protection plate (pk=5), plate marking 420200.

Sweatband

- 16 70 00 Towelling.
- 16 75 00 Towelling (pk=5).
- 16 80 00 Leather.

Battery

- 42 20 00 Battery (pk=2).
- 73 10 00 Battery cover.

Head and throat protection

- 16 40 05 Ear and throat protection in leather (3 parts).
 - 16 40 09 Head protector: 100% Tecaweld.
 - 16 90 01 Throat protection: 100% Tecaweld.
 - 16 91 00 Head Cape: 100% Tecaweld.
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The Speedglas™ brand stands for cutting edge protective equipment for welders. The range of products include Speedglas™ Auto-Darkening Welding Shields and Adflo™ Powered Air Respirators. Additional information is available at www.awsupplies.com.au



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