



**Speedglas™**  
Welding Safety

3M™ Speedglas™ 100B Welding Helmet

# Step out of the dark...

The easy-to-use Speedglas™ 100B is the ideal “first” auto-darkening welding helmet for welders wanting to transition from a passive welding helmet to auto-darkening. Or, for welders wanting to upgrade to Speedglas’ legendary optics and technology.

The Speedglas 100B welding helmet has great optical quality, reliable light-to-dark switching, and can be used with most arc welding processes, including stick (MMA) and MIG/MAG.



Number 1 brand in welder’s PPE

Longest warranty in class

Continuous UV/IR protection

Lasting, reliable performance

Increase accuracy and efficiency

# Step-up to Speedglas

Constant protection from UV and IR radiation with no need to flip the helmet up and down.

Both hands are made available to work more efficiently and increase productivity.

Reliably switches from light-to-dark in 0.1 of a millisecond.

Robust industrial design with high impact face protection.



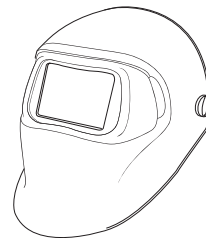
Featuring the three most commonly used welding dark shades (10, 11, 12) and a super light shade of 3 in the light state.

Lightweight (445 grams) and narrow profile for comfortable all-day wear.

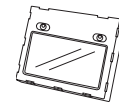


Super comfortable and adjustable ratchet head harness.

Technical Specifications	
Viewing area (welding lens)	93x44 mm
UV/IR protection	Shade 12 (permanent)
Light state	Shade 3
Dark state	Shade 10–12
Battery lifetime	1 500 hours
Switching time, light-dark	0.1 ms (+23°C)
Switching time, dark-light	150–250 ms
Approvals	
Eye Protection	AS/NZS1338.1
Face Protection	AS/NZS1337.1 (high impact)



75 11 14



75 00 14



42 80 00



77 60 00

77 70 00

77 70 70



16 85 02

16 85 05

16 85 50



17 10 20

17 10 21

17 10 22

17 10 23

17 10 24

Part No	Description
75 11 14	3M™ Speedglas™ Welding Helmet 100B
75 00 14	3M™ Speedglas™ Welding Lens 100B
77 60 00	Lens Cover Outer Standard Pk=10
77 70 00	Lens Cover Outer Hard Coated Pk=10
77 70 70	Lens Cover Outer High Heat Pk=10
42 80 00	Lens Cover Inner Pk=5
16 85 02	Sweatband Pk=2
16 85 05	Sweatband Pk=5
16 85 50	Sweatband Pk=50
17 10 20	Magnifying lens 1.0x
17 10 21	Magnifying lens 1.5x
17 10 22	Magnifying lens 2.0x
17 10 23	Magnifying lens 2.5x
17 10 24	Magnifying lens 3.0x



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