



**Speedglas™**  
Welding Safety

# Long-lasting and reliable performance

The Speedglas 100B welding helmet has great optical quality, reliable light-to-dark switching, and can be used with most arc welding processes, such as stick (MMA), MIG/MAG, and some non low TIG amp. situations. The easy-to-use Speedglas 100B is the ideal “first” auto-darkening welding helmet where welders can benefit from the ability to always clearly see with their welding protection in place.



- Light and narrow, for quick tasks**
- Good protection against radiation**
- Low weight (455g)**
- High performing materials**
- Industrial design**



## Comfortable adjustable headband

Comfortable headband with replaceable sweatband in fleecy cotton and smooth ratchet for precise tightening.



## Upgradeable solution: magnifying



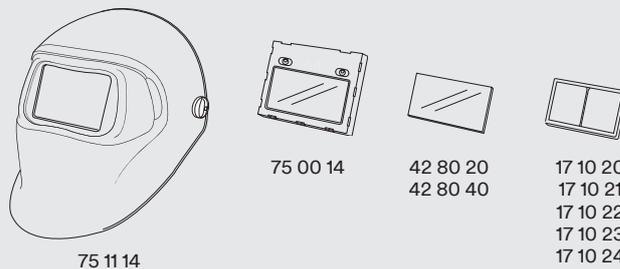
If you can't see the detail you need, try one of our magnifying lenses. They come in x1.0, x1.5, x2.0, x2.5 and x3.0 strengths.

## Upgradeable solution: darker shade



Welding at very high amperages can create such an intense weld pool that you may feel eye strain. You can replace the standard (clear) inner protection plate with either our +1 or +2 shade plates.

Technical Specifications	
Viewing area (welding filter)	93×44 mm
UV/IR protection	Shade 12 (permanent)
Light state	Shade 3
Dark state	Shade 10–12
Battery lifetime	1 500 hours
Switching time, light to dark state	0.1 ms (+23°C)
Switching time, dark to light state	150–250 ms
Speedglas Natural Color Technology	NO
Number of sensors (arc detection)	2
<b>Approvals</b>	
Welding helmet	EN 175:B
Welding filter	EN 379
Protection plates	EN 166:BT
<b>Classification</b>	1 / 2 / 2 / 2



Part No	Description
75 11 14	3M™ Speedglas™ Welding Helmet 100 with Speedglas welding filter 100B, variable shade 10–12 (93×44 mm).
75 00 14	Auto-darkening filter 100B, variable shade 10–12 (93×44 mm).
17 10 20	Magnifying lens 1.0.
17 10 21	Magnifying lens 1.5.
17 10 22	Magnifying lens 2.0.
17 10 23	Magnifying lens 2.5.
17 10 24	Magnifying lens 3.0.
42 80 20	Inner cover plate, +1 shade, pkg of 5.
42 80 40	Inner cover plate, +2 shade, pkg of 5.



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