



3M™ Speedglas™ Welding Helmet SL

Description

- Easy to operate and maintain.
- Five adjustable dark shades 8–12 and a light shade of 3. Four sensitivity settings.
- Grab & Go: A motion sensor automatically turns ON the welding filter when you pick up the helmet.
- Dark shade can be increased to 13 or 14 using upgrade plates.

Common Applications

When used with recommended filters, are designed for most welding processes such as:

- MMA
- MIG/MAG
- TIG
- Plasma welding

IMPORTANT NOTE


Always wear ANSI approved safety spectacles as primary eye protection. Welding helmets are considered secondary eye protection.


Approvals/Standards

- ANSI Z87.1
- CSA Z94.3

Equipment Markings

Additional Markings

 Shall be disposed of as electrical and electronic waste

 Read the instructions before use



Limitations of Use

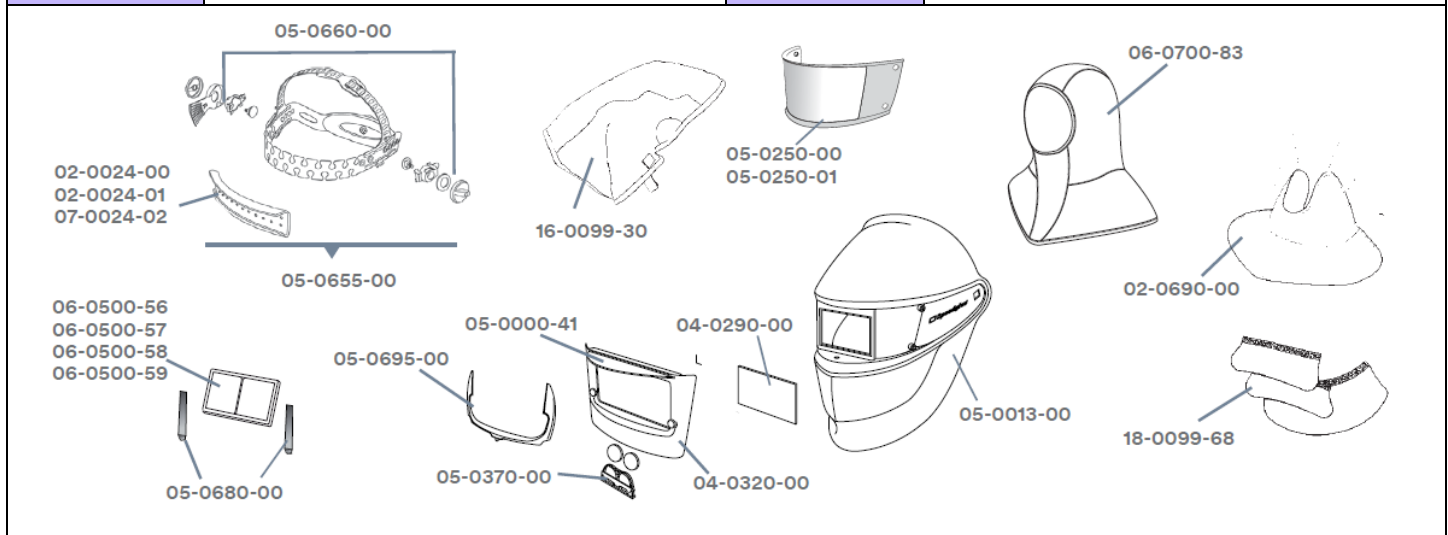
- Only use with original 3M branded spare parts and accessories listed in the user instructions and within the usage conditions given in the technical specifications.
- The use of substitute components, decals, paint or other modifications not specified in these user instructions might seriously impair protection and may invalidate claims under the warranty or cause the product to be noncompliant with protection classifications and approvals.
- Eye protectors worn over standard ophthalmic spectacles may transmit impacts thus creating a hazard to the wearer.
- Use of this product in applications outside its intended use, such as laser welding/cutting, may result in permanent eye injury and vision loss.
- Severe burn injuries may result if these welding helmets are used for heavy-duty overhead welding applications where there is a potential for falling molten metal.
- Should the product fail to switch to the dark state in response to an arc, stop welding immediately and inspect the welding filter as described in the instructions. Continued use of a welding filter that fails to switch to the dark state may cause temporary vision loss. If the problem cannot be identified and corrected, do not use the welding filter, contact your supervisor, distributor or 3M for assistance.
- Materials which may come into contact with the wearer's skin are not known to cause allergic reactions to the majority of individuals. These products do not contain components made from natural rubber latex.
- Flashing light sources (i.e. flash tube strobe lights, safety warning lights, etc.) can trigger the welding filter causing it to flash even when no welding is occurring. This is inherent with all auto-darkening filter technology. This interference can occur from long distances and/or from reflected light.
- Welding areas must be shielded from such interference, or replace lights with an LED strobe light.

Technical Specifications

Description	Value
Approximate Weight (including filter)	357 g (12.6 oz)
Viewing area with SL filter:	1.68 x 3.57 in (43 x 91 mm)
Switching Time (light-dark)	0.1 ms (+23° C)
UV/IR Protection	Shade 12 (permanent)
Light State	Shade 3
Dark State	Shade 8–12
Fail/Safe State	Shade 5
Battery Type	Lithium 3V Type CR2032 (2)
Battery Lifetime	SL Filter: 1500 hours
Operating Temperature	23°F to 131°F (-5°C to +55°C)
Head Size	50 – 64 cm (6.25 - 8 in)
Material Shield: Head suspension:	PPA PA, PP, TPE, PE

Spare Parts and Accessories

Part Number	Description	Part Number	Description
Spare Parts			
02-0024-00	Sweatband, cotton fleece with padding	05-0660-00	Assembly parts for headband
02-0024-01	Sweatband, leather	05-0680-00	Magnifying lens holder
02-0690-00	Throat protection black/grey	05-0695-00	Spatter protector
04-0290-00	Inside protection plate, 5/case	06-0500-56	Magnification plate 15x
04-0320-00	Battery, 2/case	06-0500-57	Magnification plate 20x
05-0000-41	Welding filter SL, shade 8-12	06-0500-58	Magnification plate 25x
05-0013-00	Welding helmet, without headband	06-0500-59	Magnification plate 30x
05-0013-41	Welding helmet SL with filter, variable shade 8- 12	06-0700-83	Full hood, black/grey
05-0250-00	Outside protection plate, 5/case	07-0024-02	Sweatband, fleece, black 2/case
05-0250-01	Outside protection plate, scratch resistant, 5/case	16-0099-30	Headcover, FR Cotton
05-0370-00	Battery holder	18-0099-68	Throat and side protector, leather
05-0655-00	Comfort headband with assembly parts		



i IMPORTANT NOTE

Before use, the wearer must read and understand the *User Instructions* provided as part of the product packaging.

Personal Safety Division

3M Center, Building 235-2W-70
St. Paul, MN 55144-1000

3M PSD products are
occupational use only.

In United States of America

Technical Service: 1-800-243-4630
Customer Service: 1-800-328-1667
3M.com/workersafety

In Canada

Technical Service: 1-800-267-4414
Customer Service: 1-800-364-3577
3M.ca/Safety

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