



Speedglas™

Welding Safety

Sales guide – Step by Step

3M™ Speedglas™ Welding Helmet G5-03 Pro and G5-03 Pro Air

The G5-03 welding shields are another addition to our Generation 5 portfolio of welding shields. We are following our mission statement – Farewell to compromises with the G5-03 welding shields.

These welding shields are designed for versatile welders and offers many options providing the best equipment for the job with possibilities to choose accessories as preferred by the welder. The end-user benefits exceed the ordinary features.

Key requirements for the versatile welder:

- Good protection against radiation
- Good visibility of the welding spot
- No fogging of welding filter
- Comfortable to wear

Product features and technology

Protection

- Large area coverage
- Filtered air (Pro Air)
- Safety helmet options (Pro only)

Comfort

- Adjustable Air flow (Pro Air)
- Ergonomic headband
- Multiple welding filter options
- Side windows

Vision

- High performing optics
- Variable color
- Light state 2.5 (G5-01/03TW)
- Tack welding mode

Adaptable

- TAP-function for grind & cut
- Multiple Task light configuration options
- Plug & play Adflo and supplied air (Pro Air)
- Selection of extended coverage available
- Common parts with G5-01
- 3M Connected Equipment App

Farewell to Compromises







Are you a professional welder who performs a variety of welding and grinding tasks?

You need a welding helmet versatile enough so that you do not have to compromise on function, performance OR safety.

That is why we have designed the 3M™ Speedglas™ Welding Helmet G5-03.

Versatility to upgrade your performance!

This welding helmet is designed for the welder who may need...

 ...filtered air ¹⁾	 ...an excellent view
 ...protection against arc welding radiation ²⁾	 ...to perform grinding tasks
 ...a comfortable and well-balanced helmet	 ...safety helmet compatibility ³⁾

Target group

Primary Target: the welder

The professional welder is the brand champion for 3M welding business and where we have the greatest potential to influence the other areas of the purchasing chain and be compatible to other welding helmet alternatives.

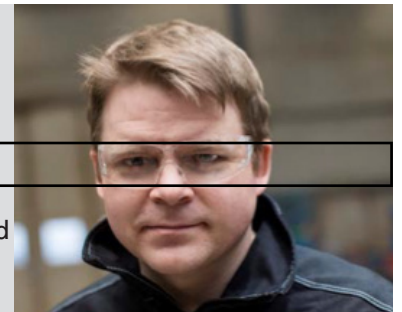
Even though they are not always the purchaser they have a strong influence as

PPE users and would be a great target audience to become an option when companies set up a trial (compare PPE). They typically select equipment based on their welding helmet needs and awareness of helmet experience. Often use more than one helmet as the type of work or environment shift.



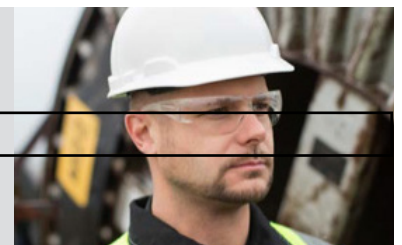
Secondary target: Workshop managers (purchaser)

Often connected to larger companies although influenced by the welder as well as the channel sources they usually reference. They want to offer their welders a PPE solution that they most likely would use, that maximizes the length of time they have their shield in the safe, down position. Total cost of ownership (consumables, spare parts, reliable quality and warranty). Service and consumable supply are other key aspects they would consider.



Tertiary target: Safety people

Safety managers are the passionate people who really care about their workers' wellbeing. That's why they seek solutions that not only provide protection, but that their workers also like to wear.

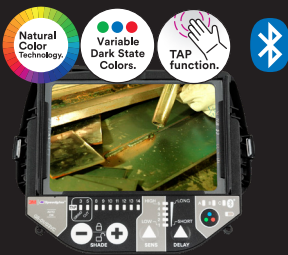


G5-01 compared to G5-03



Benefit	G5-01	G5-03 Pro Air	G5-03 Pro
Wide, clear visor	✓		
Shade 14	✓	✓	✓
Variable Colour	✓	✓	✓
Natural Colour Technology	✓	✓	✓
Improved weight performance		✓	✓
TH3 Protection	✓	✓	
Great coverage	✓	✓	✓
Comfort headband	✓	✓	✓
Airflow control	✓	✓	
Task light option	✓	✓	✓
Side windows		✓	✓
TAP function	*	✓	✓
Shade 2.5 (TW model)	*	✓	✓
Safety Helmet option			✓

Multiple filter options



Variable Colour Technology

Shade 3/5/8-14
4 arc sensors



Tack welding mode + light state 2.5

Shade 2.5/5/8-13
4 arc sensors



Standard

Shade 3/5/8-14
3 arc sensors



Passive

Fixed shade
10/11/12/13



Common parts between G5-01 and G5-03

For ease of flexibility onsite, many G5-01 spare parts are also compatible with G5-03. This allows customers to hold less spare inventory, while retaining the flexibility they need to customise their equipment.

All parts common with G5-01 is marked with a dot (•) after the parts number. Please refer to the brochure for the parts list.

Example: 16 90 30 • Shroud

One great design...

Designed for the professional welder, 3M Speedglas™ G5-03 Series welding helmets offer modularity and multiple choice of accessories.

Ergonomic headband



External adjustment of air distribution



Designed for adjustable air distribution



Task light option



Selection of extended coverage available



...two versatile helmets.

TAP function for grind & cut



Large coverage area



Anti-fog treated inner protection plate option



Safety helmet adaptor



Side windows



Multiple welding filter choices

Read more on page 6-7



Common parts with G5-01

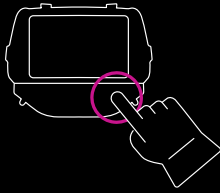
Accessories, welding filters, protection plates



Easy switching is just a tap away



Tap 3 times on the side of the welding helmet, with or without a glove, to easily switch between grind (or cut) mode and weld mode.



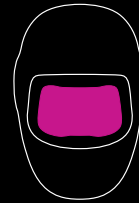
1

Use the interface on the filter to set if you want to use TAP function with grind or cut mode.



2

TAP 3 times on the side of the welding helmet to switch between GRIND and WELD mode or CUT and WELD mode.



3

The filter will switch to desired setting.



4

Tap 3 times again and the filter switches back to welding mode.

Benefits!

- Design → Robust design with no protruding parts
- Platform → Common consumables and parts with G5-01
- Balance → Comfortable headband, with low center of gravity
- Grinding → TAP function
- Coverage → Safety helmet options & many choices of accessories
- View → Task light as accessory
- Optics → Natural Colour Technology, Variable Colour, Light state 2.5
- Detection → 4 sensors

Main arguments!

- Protection → Filtered air (Pro Air); Combination with safety helmets (Pro); Large area covered
- Comfort → Enhanced headband; Adjustable air flow (Pro Air); multiple welding filter options; side windows
- View → Large field of view with Natural color, Light state 2.5 and good contrast
- Uniqueness → Adjustable air flow without compromising protection
 - Variable colour options
 - Tap function to switch between welding & grinding
 - Task Light options

3M

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