

G5-01

Speedglas Heavy-Duty Welding Helmet

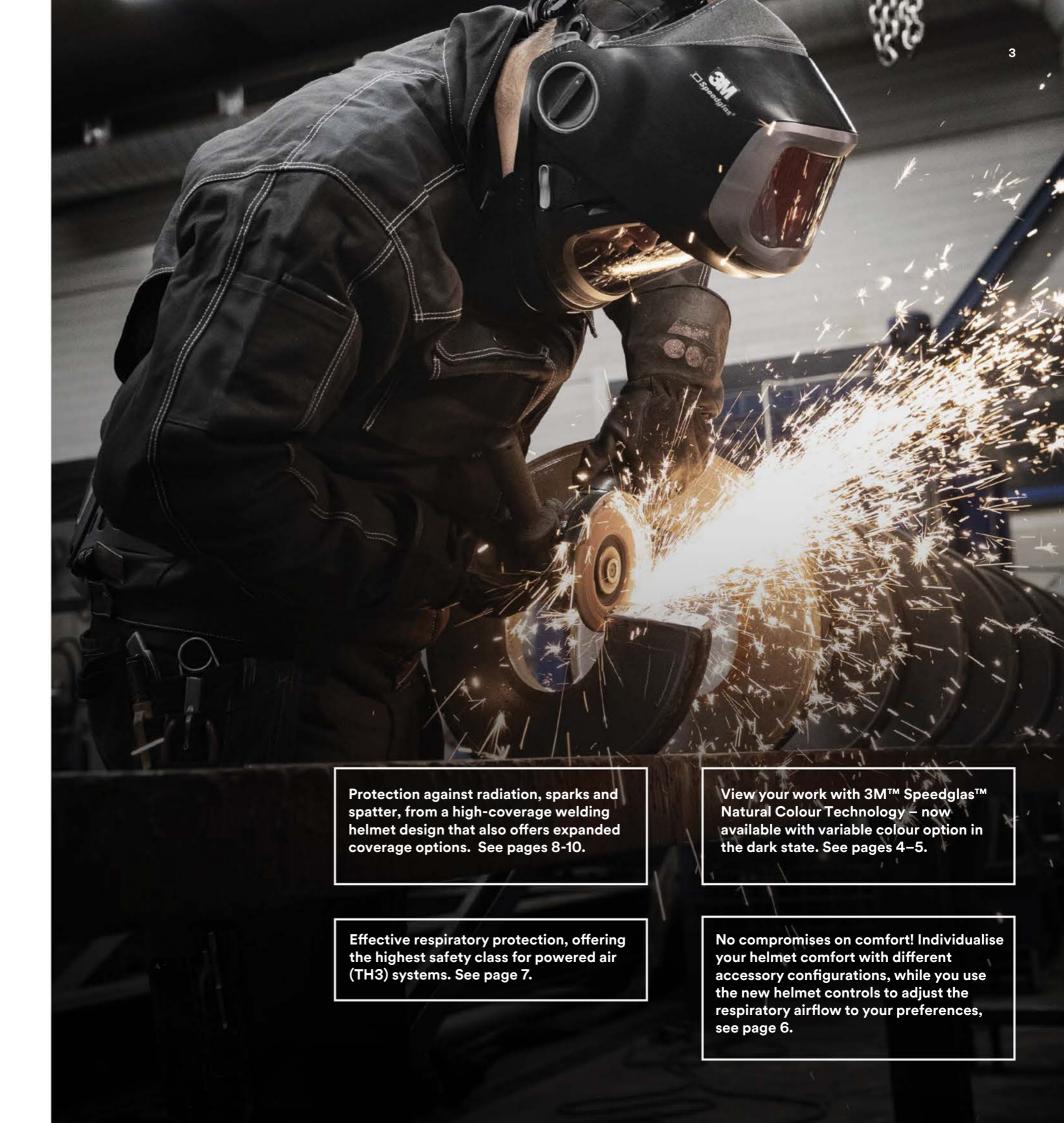
3M



Welding Safety

Adjust your welding helmet not yourself

Based on extensive input from welders working at high amperages that need to grind frequently, the 3M Speedglas Heavy-Duty Welding Helmet G5-01 is created to be adaptable to an individual's needs and situation.





A more natural light state

There are two options of 3M™ Speedglas™ Auto-Darkening Filter Series G5-01 – both offering the popular 3M™ Speedglas™ Natural Colour Technology with great clarity before, during and after welding.

Smoother dark-light filter transition

Both G5-01 filters are also designed to minimise eye strain when switching from dark state to light state, by using an intermediate shade (5 or 7 depending on filter model).

Speedglas welding filter G5-01VC



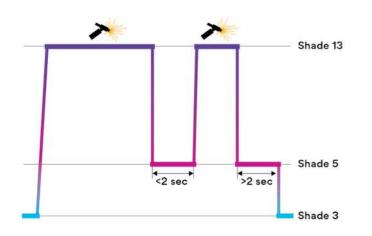
- Adjustable dark shades 5 (cut) and 8 to 14.
- Variable colour technology

Speedglas welding filter G5-01TW



- Adjustable dark shades 5 (cut) and 8 to 13.
- Tack Welding Mode

For technical specification see page 12



When tack welding...

Human eyes aren't designed for handling rapid transitions from dark to light to dark again – which describes tack welding perfectly! The G5-01TW welding filter uses an intermediate shade 5 light state to help minimize eye strain during extended tack welding applications. If an arc is not struck within 2 seconds the welding filter will switch back to its normal light state (shade 3).



3M™ Speedglas™ Welding Filter G5-01VC

Which colour tone works best for you?

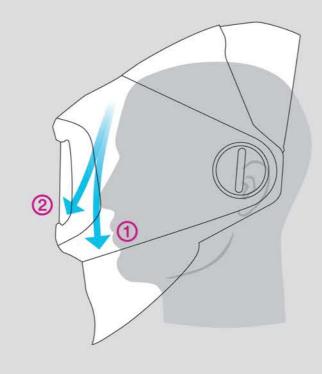
To provide even better view and control of your weld puddle we now introduce the 3M™ Speedglas™ Variable Colour Technology: you get to choose between natural (A), cool (B) or warm (C) tones for your dark state. You determine which colour tone provides the best viewing contrast for your welds, and the most comfort for your eyes.

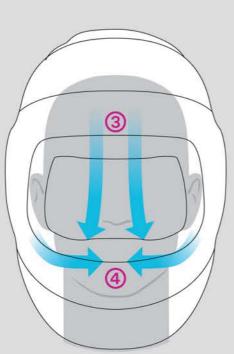
Take control of your flow

For more control over your comfort, the innovative G5-01 helmet duct system lets you direct the airflow to either your face 1, your visor 2, or some combination of both.

You can even adjust the amount of air coming from the top outlet 3 vs. the two side outlets 4, or choose a blend of both.

All airflow adjustments can be made while you're wearing the helmet – and continuously maintaining your eye, face and respiratory protection.

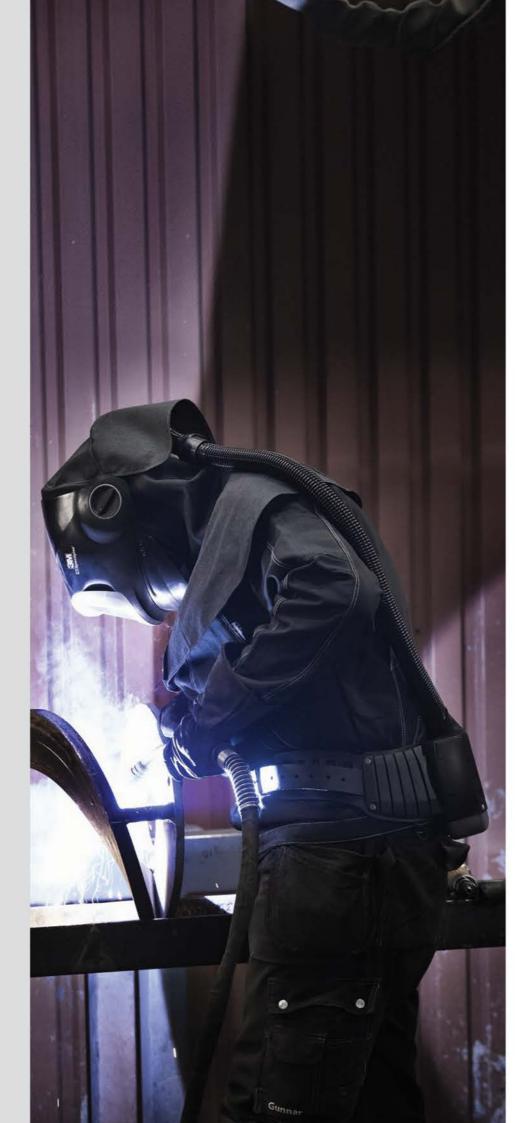






Stay protected

This flip-up functionality allows you to seamlessly switch between welding and grinding tasks while maintaining powered air respiratory protection. The clear visor also allows you to set-up, inspect and move around the workplace without the need to remove the face protection or break the positive pressure respiratory seal.



A system for many needs

Designed for heavy-duty, high-amperage welding and grinding, the G5-01 welding helmet connects to the 3M[™] Adflo[™] Powered Air Respirator to provide TH3- rated respiratory protection (APF 4`0).

The robust Adflo respirator provides all of the features you would expect in a premium system, including easy-to-use functionality.

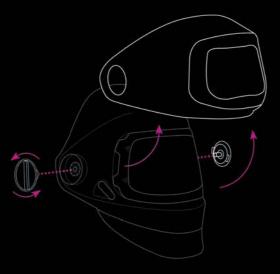
For conditions where supplied air is required we can offer the 3M[™] Versaflo[™]Series Regulators.



An all-new face seal features a locking toggle designed for fast, secure adjustments. Two new tabs make it easier to lift the seal over your glasses. And installation channels on the helmet speed the removal and replacement of the seal.



The Speedglas welding helmet G5-01 is designed for rough conditions.



For extended non-welding work, just unscrew the two dials to completely remove the welding visor and reattach the dials again, reducing the helmet weight by up to 36%.



Easy to access and use controls: all adjustable functions are imprinted on the helmet, and adjustments can be made while wearing the helmet and your gloves.



Tailor to fit your preferences

① New headband design

Improved, self-adjusting comfort paddles along your forehead. Also features a rotation stopper, designed to simplify donning of the helmet. 2 Adjustment options

Control the distance and angle from your eyes to the clear visor and welding filter

③ Extra-large back pad

Delivered with an optional, extralarge, back head pad for enhanced comfort







Helmet in standard configuration with rigid neck protection and the smaller, fabric head protection.

For increased visibility at all times, add the fluorescent yellow extended head protection 16 90 21





To better enable you to weld when looking down, replace the rigid neck protection with , for example, the smaller fabric neck protection 16 90 41

When you need the durability of leather, attach the leather head protector 16 90 22 and the leather neck protector 16 90 43



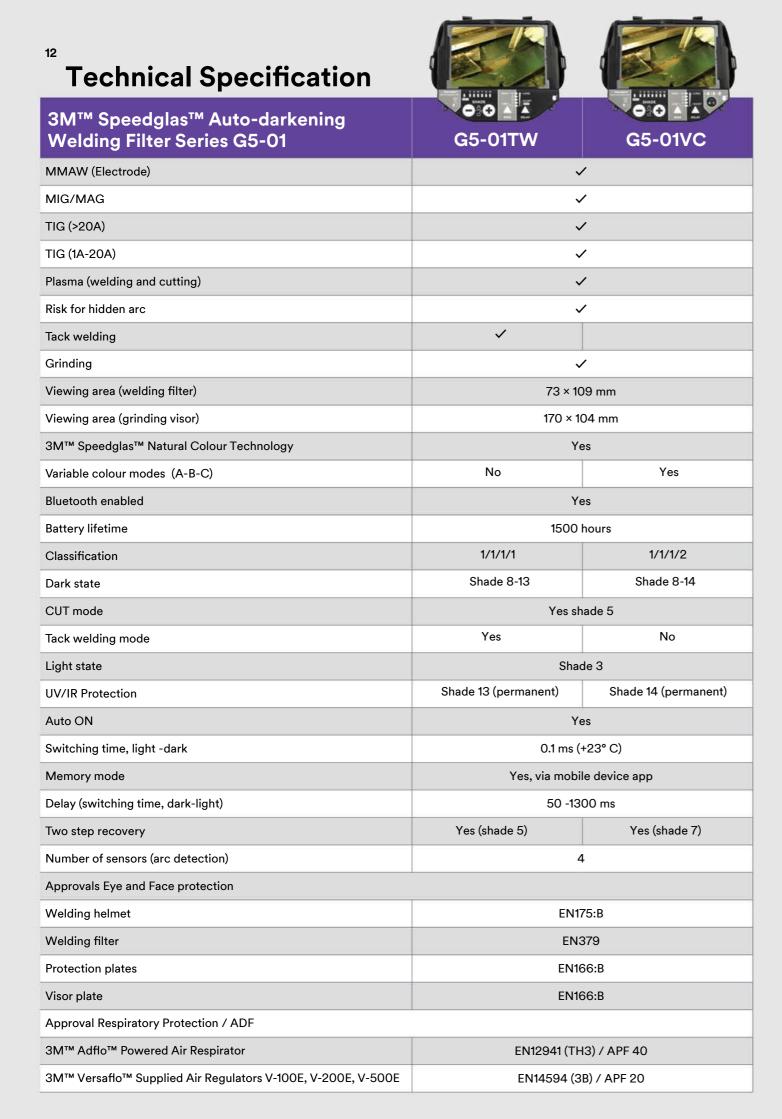


Increase coverage of your head, neck and chest by adding the larger fabric head cover 16 90 23 and/or the extended fabric neck protection 16 90 42

To maximize coverage from sparks, add the fabric shroud 16 90 30 and the extended, larger fabric head protection 16 90 23.

Also available as a kit, 16 90 35





A new system or an upgrade?

1 Keep your Adflo PAPR and Upgrade Your Head-Top Only

The most economical way to upgrade to the new 3M Speedglas G5-O1 Welding Helmet is by keeping your existing Adflo PAPR and simply upgrade your head-top only. If you would like to take advantage of the configurable task light then we would, however, recommend that you purchase a heavy-duty battery, as the task light draws its power from the





When you order a complete system, it comes with the new Speedglas storage bag. Featuring a fast, double-zipper opening top and large carry handles, the bag keeps your gear protected and clean when not in use.



For some businesses looking to buy the G5-01 for new employees, such purchases may be regarded as 'unfair' - particularly by those within the company who are currently using an older welding system. With this in mind, it may be appropriate to **reward** longer serving employees with the new G5-01 and offer their older system in a 'hand-me-down' manner to the most recent welders within the organisation.

Increase your comfort

We offer numerous accessories so you can configure your 3M™ Speedglas™ Welding Helmet G5-01 to meet your individual preferences and application needs.



BPK-01 83 50 20



16 90 30

16 91 00

16 90 21

the task light).

Braces for respirator

Adflo gas filter A1B1E1 Adflo gas filter A2

Back pack for respirator

Adflo odour filter

Odour filter pad

Flame resistant breathing tube

cover (recommended when using

Part No Description

83 40 18

83 50 20 83 71 10

83 71 20

83 72 42

83 75 42

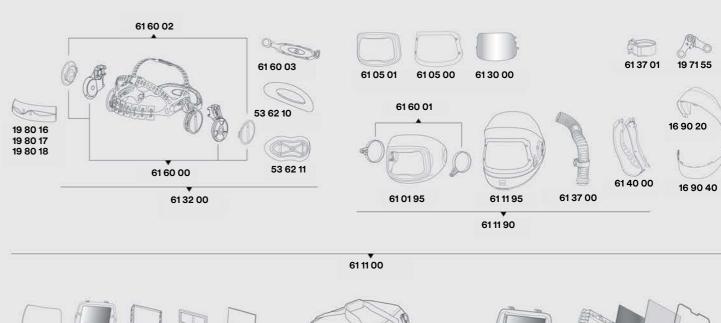
BPK-01

16 90 23

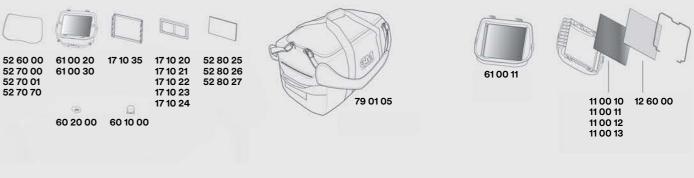
Part No	Description			
16 90 20	Head protection in fabric			
16 90 21	lead protection			
	fluorescent yellow			
16 90 22	Head protection in leather			
16 90 23	Head protection in fabric (large)			
16 90 24	Scrape guard (not shown)			
16 90 30	Shroud			
16 90 35	Extended cover kit (shroud and			
	large head cover in fabric)			
16 90 41	Neck protection in fabric (small)			
16 90 42	Neck protection in fabric (large)			
16 90 43	Neck protection in leather			
16 92 00	Task light, incl mounting parts			
	and cables			
16 92 05	Protection plate for task light,			
	pkg. of 5			
16 92 10	Long power cable for task light			
16 92 11	Short power cable for task light			
16 92 23	Pouch with Adflo battery, for			
	task light when using supplied			
	air regulator (not shown)			



Spare parts and consumables



15



Part No	Description	Part No	Description	Part No	Description
11 00 10	Passive welding filter lens shade 10 (90×110)	52 70 01	Outer protection plate (scratch +), pkg of 10	61 30 00	Visor plate, anti-fog and hardcoated, pkg. of 5
11 00 11	Passive welding filter lens shade 11 (90×110)	52 70 70	Outer protection plate (heat), pkg of 10	61 32 00 61 37 00	Headband with assembly parts Airduct breathing tube (short)
11 00 12	Passive welding filter lens shade 12 (90×110)	52 80 25 53 62 10	Inner cover plate, pkg of 5 Cushion part for headband G5-01	61 37 01	incl. holder Holder for breathing tube
11 00 13	Passive welding filter lens shade 13 (90×110)	53 62 11 60 10 00	Large head rest Battery holder	61 40 00 61 60 00	Face seal Pivot and sliding mechanism,
12 60 00 16 90 20	Inner cover plate for passive filter Head protection in fabric (small)	60 20 00 61 00 11	Battery CR2450 Speedglas passive welding filter	61 60 01	including pivot knobs Pivot rings for outer shield
16 90 40 17 10 20	Neck protection rigid Magnifying lens 1.0X	61 00 20	kit G5-01 (shade 11) Speedglas welding filter	61 60 02 61 60 03	Pivot knobs Headband back part
17 10 20 17 10 21 17 10 22	Magnifying lens 1.5X Magnifying lens 2.0X	61 00 30	G5-01TW Speedglas welding filter G5-01VC	61 78 00	Helmet G5-01, without welding filter, with 3M™ Adflo™ Powered
17 10 23	Magnifying lens 2.5X Magnifying lens 3.0X	61 01 95	Outer shield Front cover for inner visor	04.70.00	Air Respirator Helmet G5-01, without welding
17 10 24 17 10 35 19 71 55	Magnifying lens holder Hinge mechanism, 1 pair	61 05 00 61 05 01 61 11 00	Front cover for flip-up Welding helmet G5-01, without	61 78 09	filter, with 3M™ Adflo™ Powered Air Repirator and consumable
19 80 16 19 80 17	Sweatband (towelling), pkg of 3 Sweatband (fleecy cotton),	61 11 90	welding filter Welding helmet G5-01, without	79 01 05	starter kit Carry Bag
	pkg of 3	011190	welding filter, without neck or	79 20 00	Consumable starter kit G5-01,
19 80 18 52 60 00	Sweatband (leather) Outer protection plate (standard), pkg of 10	61 11 95	head protection Inner shield with airduct and airflow controls (including		includes 3 different sweatbands, face seal, visor plate, inner and outer cover plates.
52 70 00	Outer protection plate (scratch), pkg of 10		visor frame)		



- Opt-in by securely pairing your smartphone to your G5-01 welding filter using the 3M Connected Equipment App
- Program up to ten memory modes (settings for dark shades, sensitivity, delay etc) with your phone
- Easily record your welding helmet maintenance log to the App
- Instantly know statistics, including: when your ADF was first activated; hours on; hours in the dark state; hours in the light state; and the number of on/off cycles

Equipment App

 Have instant access to User Manuals and Parts List





