



 **Speedglas™**  
Welding Safety

# 3M™ Speedglas™ G5-03NC Pro Welding Helmet

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# Why 3M™ Speedglas™?

## The #1 brand in welders' PPE

Trust in a brand can't be built overnight. It takes years to become known and even longer to be trusted. In 1981, over 40 years ago, Speedglas™ released the first ever auto-darkening welding helmet and has consistently set the benchmark ever since.

While other products and brands have come and gone, the 3M™ Speedglas™ brand, guided by welders, has continued to drive innovation and lead from the front.

Made in Sweden, Speedglas is the brand of choice for professional welders and remains the world's leading brand of personal protective equipment for welders.

The 3M™ Speedglas™ Welding Helmet G5-03 Pro Series is built for professional welders. A welding helmet versatile enough that you don't have to compromise on function, performance OR safety.

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# 3M™ Speedglas™ Welding Helmet G5-03NC Pro

The 3M Speedglas™ G5-03NC Pro is a highly versatile non-respiratory welding helmet designed with premium Speedglas features and optics.



## True-View Technology

Read more on page 4



## Large coverage area



## Large viewing area with SideWindows

Read more on page 6

## Ergonomic head harness with 6 points of adjustment

Read more on page 6

## Selection of extended coverage options available

Read more on page 5

## Task light option

Read more on page 7



Standard auto-darkening welding lens



Speedglas G5-03NC welding lens with True-View

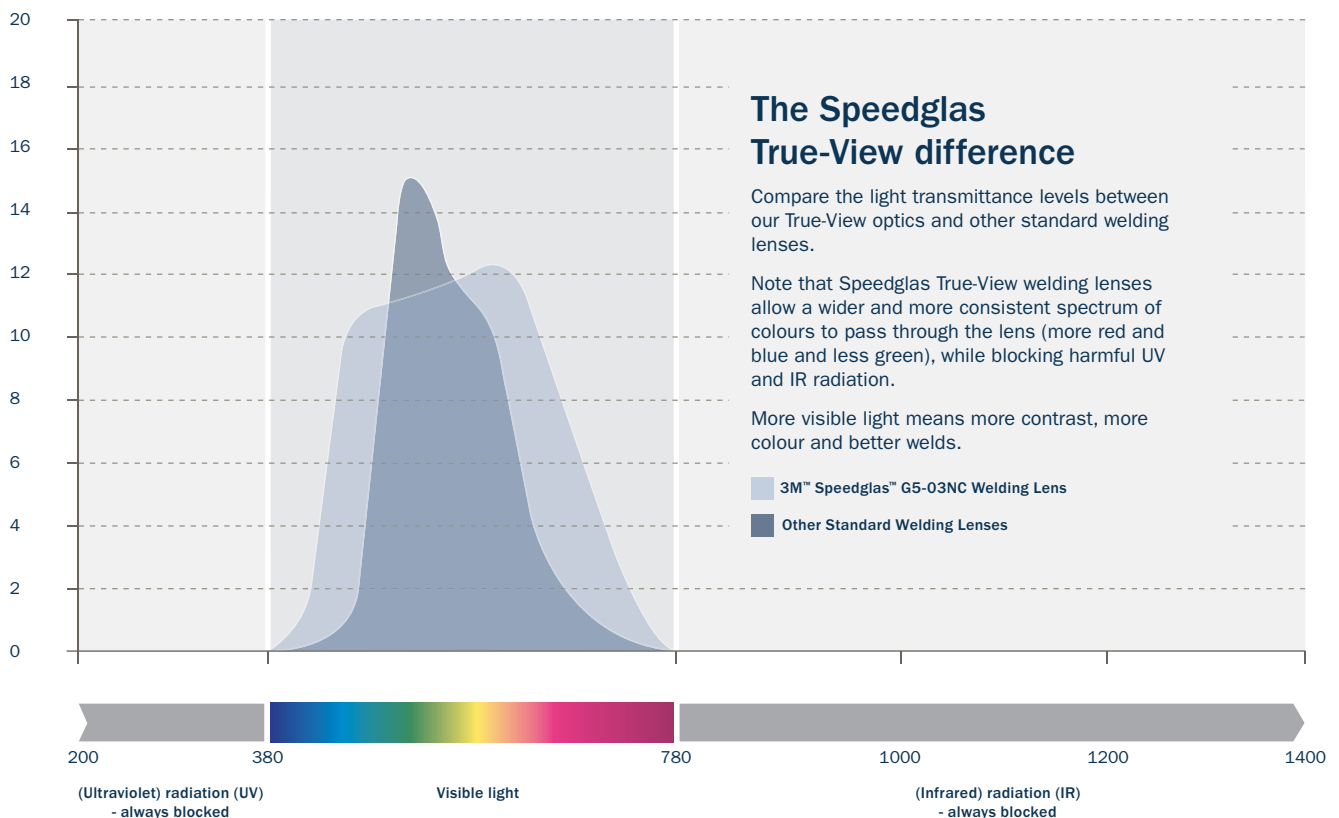
# A more natural light state

Imagine what more realistic-looking colours and details could do for your welds:

- Provide better control of your weld puddle – with a view that appears lighter, brighter and more realistic.
- Help you focus on your welding set-up, welding technique and inspection of just-completed welds.
- Give you a clearer view of coloured welding machine controls – even with your helmet in the safe, down position.



Transmittance (%)



# Configure Your Coverage

Enhance your head coverage with the small fabric head protection **16 90 20** or to better enable you to weld when looking down, remove the rigid neck protection and replace with the small fabric neck protection **16 90 41**



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**



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



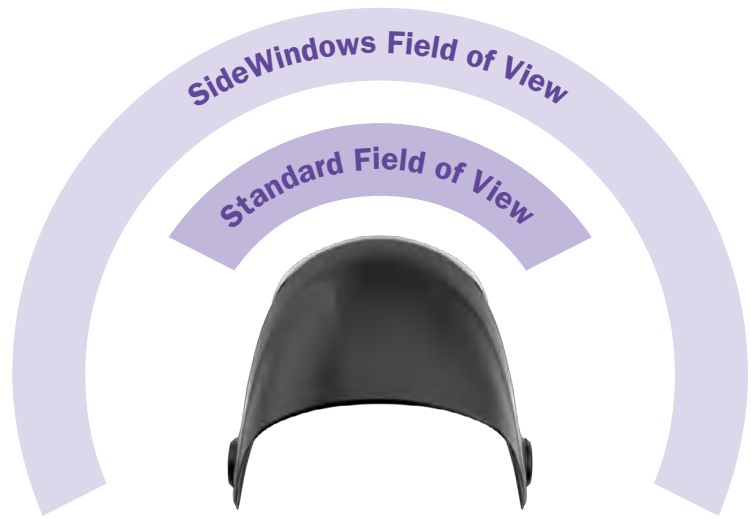
To maximize coverage from sparks, add the fabric shroud **16 90 30** and the extended, larger fabric head protection **16 90 23**. Also available as a kit, **16 90 35**



# Enhance peripheral vision

Speedglas SideWindows give you excellent peripheral vision as you weld.

Previously hidden peripheral hazards such as beams, obstacles, and other workers are now visible through two shade 5 side lenses (with conventional shade 13 UV/IR protection).



# Adjust your welding helmet, not yourself

Tailor your head harness to fit your preferences

① **New headband design**

Improved, self-adjusting comfort paddles along your forehead.

② **Adjustment options**

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

③ **Extra-large back pad**

Delivered with an optional extra-large back head pad for enhanced comfort.



Designed to provide powerful uniform lighting from a welding working distance.

Positioned to cast a wide light on the workpiece with configurable light intensity.



G5-03 Pro Task Light Kit  
Part No 16 92 15

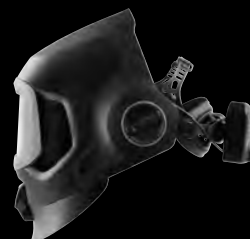
## Let there be light...

Built specifically for welding, the optional helmet-mounted task light helps welders stay productive in poorly lit areas.

It delivers a better view of the work area before and after welding, which can help to reduce fatigue.

3M™ Speedglas™ Task Light is designed to be low profile and lightweight.

For welders using the Welding Helmet G5-03 Pro, a battery pack comes in the kit and connects to the rear of the welding helmet for a balanced fit (pictured below).



# Technical Specifications



Specification	3M™ Speedglas™ G5-03NC Pro 63 18 10
MMAW (electrode)	✓
MIG/MAG	✓
TIG (>10A)	✓
TIG (1A-10A)	✓
Plasma (welding and cutting)	✓
Hidden arc	✓
Tack welding	✓
Grinding (welding lens)	Yes (Shade 3)
Viewing area (welding lens)	55 x 107 mm
Battery lifetime	2 500 hours
Dark state	Shades 5, 8-12
Light state	Shade 3 (with True-View)
UV/IR Protection	Shade 12 (permanent)
Switching time, light-dark	0.1 ms (+23° C)
Delay (switching time, dark-light)	50-470 ms
SideWindows	Yes
Optional task light	Yes
Standards Compliance Eye protection Face protection	AS/NZS1338.1 AS/NZS1337.1





# Increase your comfort

## Accessories

Common for G5-03 Pro and G5-03 Pro Air



16 90 22 ●



16 90 43 ●



16 90 20 ●



16 90 41 ●



16 90 42 ●



16 90 23 ●

16 90 35 ●



16 90 30 ●



16 91 00 ●

## Optional Task Light

For G5-03 Pro Only



16 92 05 ●

16 92 15

Part No.	Description	Part No.	Description
16 90 20 ●	Head Protection Fabric (Small)	16 90 41 ●	Neck Protection Fabric (Small)
16 90 22 ●	Head Protection Leather	16 90 42 ●	Neck Protection Fabric (Large)
16 90 23 ●	Head Protection Fabric (Large)	16 90 43 ●	Neck Protection Leather
16 90 30 ●	Shroud	16 91 00 ●	Welding Hood
16 90 35 ●	Extended Cover Kit (Shroud and Large Head Cover Fabric)	16 92 05 ●	Lens Cover Task Light Pk=5
		16 92 15	Task Light Kit, Inc Battery & Cables

## Common parts between G5-01 and G5-03 Pro/G5-03 Pro Air



For optimal flexibility onsite, many G5-01 spare parts are also compatible with the G5-03 Pro and G5-03 Pro Air welding helmets. This allows you to hold less spare part inventory, while retaining the flexibility you need to customise your equipment.

All parts common with G5-01 are marked with a dot (●) after the part number.

Example: 16 90 30 ● Shroud



## About AWS

AWS was established in 1994 and has played a key role in the welding industry ever since.


As an advocate for welders' safety in Australia and New Zealand, AWS has published numerous Welding Safety White Papers, Welding Industry Reports, and Welding Fume Control Frameworks. AWS is a company that specialises in welding safety equipment, and it is our goal to raise awareness on the important issues that welders face.

As the sole agent for the 3M™ Speedglas™ range of welding helmets with integrated respiratory protection, the Nederman, Plymovent and Bomaksan range of portable local exhaust ventilation fume protection systems, the Translas on-gun welding fume extraction range, the range of Guide welding gloves, and a 3M personal protective equipment wholesaler, AWS are extremely well placed to help businesses understand the different types of product controls that can be introduced into the workplace to better protect welders and those who work in close proximity to welders.

For more information on welding fume monitoring, welding PPE, or welding fume LEV extraction options, please contact AWS.

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