

# 3M™ Industrial Safety Helmet G3501

No room for compromise when the heat is on.  
Compatible head, eye, face and hearing protection.

Temperature extremes, metal sparks and splashes –  
that's the job. And it's a tough environment to work  
in. You just can't afford to compromise the safety  
and comfort of your workforce.

At 3M we recognise the demanding nature of the  
work you and your team undertake every day.  
That's why we've developed a range of completely  
compatible personal protective equipment (PPE)  
that can help provide the necessary safety, comfort  
and compliance in the work environment.

When the heat is on, don't compromise  
your protection.



# 3M™ Industrial Safety Helmet G3501

## ▶ Product Description

The 3M™ Industrial Safety Helmet G3501 is designed to offer high levels of protection for the toughest of applications. The 3M™ 3501 is more than just a safety helmet. It is also the platform for a range of hearing, eye and face protection products that are designed to withstand the metal working environments without compromising compatibility, comfort or ease of use.

## ▶ Key Features

- Lightweight and durable helmet meeting a wide range of standard performance requirements.
- Available with a choice of ratchet or pinlock suspensions for adaptability.
- Compatible with a wide range of safety products and metal-working accessories to provide the complete solution for your application.
- Electrically insulating in accordance with EN50365 for live-working in low voltage environments.
- Approved for use at temperatures ranging from -30°C to +150°C.
- Available in a range of 6 colours for branding and identification purposes.

## ▶ Applications

- Steel Working
- Aluminium Smelting
- Foundries & Casting
- Metal Recycling
- Refractory production
- Cement Manufacturing



## ► Use Limitations

- Never modify or alter the safety helmet outside of the manufacturer's recommendations.
- Do not use this safety helmet against hazards other than those specified in the user instructions.
- Use, store and maintain these safety products in accordance with the user instruction.

## ► Compatibility

Extreme heat, needs extreme protection to give you the confidence to do your job. You need safety equipment that does more than stand up to the heat. You want equipment that keeps you cool and makes your job easier. We've connected this inspiration with our products to make sure these needs are met.

By giving you products that don't just work, but work well together we can help ensure that you wear them when you need them and for longer.

## ► Standards and Approvals

The 3M™ Industrial Safety Helmet G3501 meets the requirements of the PPE Directive (89/686/EEC) and is thus CE marked. The product has been tested and approved by SP, Swedish National Testing and Research Institute, Box 857 SE-501 15 Borås, Sweden (Notified Body number 0402).

The product has been tested and approved in accordance with EN397:2012 and EN50365:2002.

## ► Technical Data Specifications

### Mechanical Properties

Meets the requirement for shock absorption and resistance to penetration.

### Temperature Range

|                   |        |               |
|-------------------|--------|---------------|
| High Temperatures | +150°C | Molten Metals |
| Low Temperatures  | -30°C  |               |

### Electrical Insulation Properties

| Standard              | EN397:2012 | EN50365:2002       |
|-----------------------|------------|--------------------|
| Voltage Specification | 440Vac     | 1000Vac<br>1500Vdc |

### Size Range

|                    |         |
|--------------------|---------|
| Pinlock Suspension | 54-62cm |
| Ratchet Suspension | 53-62cm |

### Weight

|                         |      |
|-------------------------|------|
| With Ratchet suspension | 392g |
| With Pinlock suspension | 369g |
| Shell only              | 311g |

### Storage

Recommended storage +3° to +40°C, <85% Relative humidity

Maximum recommended product life is 2-5 years depending on the work environment and use conditions

### Materials

|              |                              |
|--------------|------------------------------|
| Helmet Shell | Glass fibre reinforced nylon |
| Headband     | HDPE                         |
| Cradle       | Polyester Strapping          |
| Sweatband    | Leather or Synthetic         |

## ► Spare parts and Accessories

The 3M™ G3501 is compatible with a range of eye, face and hearing protection products offering you flexible and compatible protection.

### Face Protection

#### 3M™ V5 Series Faceshields



**5XG-IR5**  
Gold/Green visor shade 4-5, medium energy impact (B), Molten Metal Splash (9)



**5F-11**  
Clear visor shade 2C-1,2, medium energy impact (B), liquid splash (3), electric arc (8)



**5E-11**  
Green Shade 5, medium energy impact (B), liquid splash (3)



**V5 linkage system.**  
All visors attached via the V5 linkage system and P3E adaptor

### High Temperature Accessories



**NC1-GR**  
Cotton/Para-aramid neck cover for flame resistance and metal splash resistance



**FC1-GR**  
Cotton/Para-aramid front cover to protect the helmet from flames and metal splash



**NC1-AL**  
Aluminised fabric neck cover offering flame, splash and IR resistance to the wearers neck



**FC1-AL**  
Aluminised fabric front cover offering flame, splash and IR resistance to the helmet and wearer

### Eye Protection

#### 3M™ V6 Integrated Eyewear



**V6B**  
Grey



**V6C**  
Amber



**V6E**  
Clear

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### Hearing Protection

#### 3M™ X-Series Earmuffs



**X1P3E**  
(SNR 26 dB)



**X2P3E**  
(SNR 30 dB)



**X3P3E**  
(SNR 32 dB)



**X4P3E**  
(SNR 32 dB, slim cup)



**X5P3E**  
(SNR 36 dB)

#### 3M™ Optime™ Earmuffs



**Optime™ I**  
H510P3E  
(SNR 26 dB)



**Optime™ II**  
H520P3E  
(SNR 30 dB)



**Optime™ III**  
H540P3E  
(SNR 34 dB)

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