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# ULTRA HDV WELDING HELMET

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P/N: 305000

**High Definition View -  
provides a clear detailed  
view at any angle with  
minimal distortion.**

- ClearLight™ 2.0 lens technology.
- Suits Stick, MIG, TIG and Plasma Cutting.
- Large integrated grind shield.



**3 YEAR  
WARRANTY**

Designed to withstand industrial environments, Miller helmets come with a 3 year warranty (Auto-Darkening lens only).

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## PACKAGE INCLUDES

|                              |                                 |                             |           |
|------------------------------|---------------------------------|-----------------------------|-----------|
| Ultra HDV helmet assembly    | Spare HDV front cover lens (x2) | Spare HDV grind shield (x2) | Cover bag |
| Spare cover lens inside (x2) | Tear away grind shield (x2)     | Helmet owner manual         |           |

## APPLICATIONS

|       |     |     |                |
|-------|-----|-----|----------------|
| Stick | MIG | TIG | Plasma Cutting |
|-------|-----|-----|----------------|

## PRODUCT SPECIFICATIONS

| Viewing Area | Cartridge Size    | Modes                          | X-Mode         | Grind Mode | Cut          | Weld            |
|--------------|-------------------|--------------------------------|----------------|------------|--------------|-----------------|
| 97 x 60mm    | 114 x 120 x 9.5mm | X-Mode<br>Weld<br>Cut<br>Grind | Shade 8 - 12.5 | Shade 2.5  | Shades 5 - 8 | Shades 8 - 12.5 |

| Switching Speed<br>(light to dark) | Delay Speed<br>(dark to light) | Arc<br>Sensors | Optical<br>Grade | Weight | Power   | On/Off<br>Control                        | Operating<br>Temperature |
|------------------------------------|--------------------------------|----------------|------------------|--------|---|--|--------------------------|
| 1/25,000sec                        | 0.1 - 1.0sec                   | 4              | EN379 1/1/1/2    | 709g   | CR2450<br>lithium battery<br>and solar assist | Automatic<br>on, off after<br>45 minutes | -10 to 55°C              |

## PARTS AND ACCESSORIES

|                             |          |  |        |
|-----------------------------|----------|--|--------|
| <b>Replaceable battery</b>  | 217043P2 | <b>Cover lens inside</b>               | 216327 |
| <b>Magnifying lens 1.5x</b> | 212238P  | <b>Tear away grind shield</b>          | 258853 |
| <b>Magnifying lens 2.0x</b> | 212240P  | <b>Headgear</b>                        | 260486 |
| <b>Magnifying lens 2.5x</b> | 212242P  | <b>Headband fabric</b>                 | 770249 |
| <b>HDV front cover lens</b> | 305004   | <b>Adjustment angle /<br/>stop kit</b> | 265891 |
| <b>HDV grind shield</b>     | 305007   |  |        |

## STANDARDS

AS/NZS 1338.1 (Auto-Darkening)

AS/NZS 1337.1 B (High Impact)

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## EXCLUSIVE MILLER HIGH DEFINITION VIEW (HDV) LENS TECHNOLOGY

Keeps the refractive power of the grind lens and outside cover lens constant, providing users a peripheral view with minimal distortion.

## LIGHTWEIGHT, WELL BALANCED DESIGN

Reduces neck torque, minimising operator fatigue and strain leading to an increase in short-term comfort as well as long-term health benefits.

## ERGONOMIC, FOUR POINT FLEXIBLE HEADGEAR DESIGN

Provides a secure fit, while avoiding major pressure points within the head, maximising all-day wear. Welders can custom fit the helmet with seamless tilt, distance and tightness adjustments.

## HELMET LOCKS IN UPRIGHT POSITION

Toggle springs assist easy flip up, and holds the outside shield in an upright position for non welding tasks. The internal grind lens provides high impact protection.

## AUSTRALIAN STANDARDS

The lens and helmet comply with Australian Standards AS/NZS 1338.1 (Auto-Darkening) and AS/NZS 1337.1 B (High Impact).

## LENS FEATURES

- X-Mode™ senses the arc's electromagnetic field rather than brightness to darken the lens - ideal for outdoor, low-amp TIG and obstructed view applications.
- InfoTrack™ 2.0 technology provides memory, arc time and arc count functions that allows the weld operator to store favourite settings, keep track of weld time and arc starts.
- Half shade settings for precise lens adjustment.
- Simple digital lens interface allows for easy adjustment with or without gloves.



## HIGH QUALITY AND FULLY ADJUSTABLE HEADGEAR

Pivoting, oversized back pad and multiple head straps secure helmet in downward applications, eliminating over-tightening and discomfort.



## LARGE INTEGRATED GRIND SHIELD

Provides 174 x 126 mm of clear viewing area for grinding and other tasks, increasing helmet-on time, decreasing the potential for eye injuries.



## EXCLUSIVE MILLER CLEARLIGHT™ 2.0 LENS TECHNOLOGY

Provides advanced high definition optics for the most realistic view that's clearer and brighter - before, during and after every weld.