AUTO-DARKENING
WELDING HELMET

www.tweco.com
The new Tweco® WeldSkill auto-darkening welding helmet provides enhanced performance with 4 arc sensors at an affordable price. It offers operator comfort due to its lightweight construction and versatility. With superior performance, durability and flexibility, Tweco WeldSkill helmets offer exceptional value in personal welding protection.

THE NEW TWECO HELMETS FEATURE:

- **ENHANCED PERFORMANCE**
  Four arc sensors for high response

- **AUTO-DARKENING**
  Automatically turns from light to dark and dark to light

- **LIGHTWEIGHT**
  For optimum comfort, 16 oz (450 grams)

- **VARIABLE SHADE**
  Adjustable welding shade levels from 9 to 13

- **LIGHT SHADE DIN LEVEL**
  Level shade 4

- **UV/IR PROTECTION**
  Level shade 16 (DIN)

- **“SENSITIVITY” CONTROL RANGE**
  Low to high

- **RESPONSIVE LENS SWITCHING SPEED**
  up to 1/30,000 sec (33 microseconds)

- **“DELAY” ADJUSTABLE CONTROLS**
  Selection for switching speed:
  “short” = 0.25s to 0.35s
  “medium” = 0.35s to 0.50s
  “long” = 0.50s to 0.80s

- **“WELDING” OR “GRINDING”**
  Selection for process mode

- **LARGE VIEWING AREA**
  3.86" x 1.69" (98 mm x 43 mm)

- **SOLAR-POWERED**
  So you don’t have to worry about changing batteries

- **AFFORDABLE**
  Value-priced

- **CERTIFIED**
  ANSI Z87.1, CE EN 379 and EN 175

- **SUPPORT**
  Backed by Tweco support, quality, reliability, and 2-year warranty

**2-YEAR WARRANTY**

**2**

Tweco.
Form, Fit & Function

**Welding Helmet Head Gear**
- **SWEATBAND** easy to replace forehead sweatband for optimum comfort and seating on the forehead
- **ADJUSTABLE** to extend from 6 1/2” up to 9”
- **RACHET MECHANISM** for better fit around the head; will not loosen
- **BALANCED PIVOT** for comfort fit
- **TURN KNOB** to adjust headgear

**Settings for Delay and Process Mode**
- **VARIABLE SHADE** adjustment cell
- **SENSITIVITY** adjustment cell
- **WIDE VIEWING AREA**
- **INTERIOR VIEW**

**HELMET** meets standards EN175 and ANSI Z87.1-2010

**SOLAR PANELS**
- AUTO-DARKENING FILTER also provides UV/IR protection
- **INDUSTRIAL GRADE** with four arc sensors

**SPATTER GUARD** to protect lower neck and chin

**AUTO-DARKENING VARIABLE SHADE KNOB** on the left for “on the fly” adjustment

**“SENSITIVITY” KNOB** on the right (not visible in photo)

**KNOB TO ADJUST HEADGEAR**
- 3 positions to select helmet pivot point setting for optimum comfort

**BALED PIVOT** for comfort fit

**EASY TO REPLACE FOREHEAD SWEATBAND** for optimum comfort and seating on the forehead

**ADJUSTABLE** to extend from 6 1/2” up to 9”

**RACHET MECHANISM** for better fit around the head; will not loosen

**TURN KNOB** to adjust headgear
Certifications & Conformance

- Conforms to ANSI Z87.1 – 2010: Applicable to Practice for Occupational and Educational Eye and Face Protection, Welding Helmets.
- Conforms to CE EN379: Applicable to Specification for Welding Filters with Switchable Luminous Transmittance and Welding Filters with Dual Luminous Transmittance (variable shade).
- Conforms to CE EN175: Applicable to Personal Protection Equipment for Eye and Face Protection during Welding and Allied Processes.

Replacement Parts

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<tr>
<th>Part No.</th>
<th>Stock No.</th>
<th>Description</th>
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<td>WH41001-FL</td>
<td>2089-1010</td>
<td>Front Cover Lens</td>
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<td>WH41001-IL4</td>
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<td>Inside Cover Lens</td>
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<td>2089-1013</td>
<td>Shade/Sensitivity Knob</td>
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<td>WH41001-BN</td>
<td>1089-1017</td>
<td>Headgear Knob</td>
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<td>2089-1018</td>
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<td>Headband</td>
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<td>Headgear Assembly</td>
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<td>2089-1024</td>
<td>Hard Hat Fixtures</td>
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<td>WH41001-ML</td>
<td>2089-1025</td>
<td>Magnifying Lens Kit (2X Magnification)</td>
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