

Auto-Darkening Helmet Selection Chart

Model	Lens Speed	Shade Control	Sensitivity Control	Delay Control	Viewing Field	Number of Arc Sensors	Low Amperage TIG Rated	Battery Life	Magnifying Lens Holder	Weight	Rec. Amps GMAW (MIG) MMAW (Stick)	Rec. Amps GTAW (TIG)
FS Series Fixed Shade #10	1/3.600 sec	Fixed #10	None	None	94 x 35 mm (3.70 x 1.37 in)	2	Not recommended	Solar	Yes	14.3 oz (406 g)	Up to 150 amps	Not recommended for TIG
Performance Series™ XLi	1/18.000 sec	9-13 Internal Adjustment	Internal Adjustment	0.1-1.0 sec	97 x 47 mm (3.85 x 1.85 in)	2	15 amps	2000 hrs	No, adaptable	16 oz (454 g)	Up to 200 amps	15-200 amps
Performance Series™ XLix	1/20.000 sec	9-13 External Adjustment	Internal Adjustment	0.1-1.0 sec	97 x 47 mm (3.85 x 1.85 in)	2	5 amps	2000 hrs	Yes	16 oz (454 g)	Up to 400 amps*	5-350 amps
Performance Series™ Elite™	1/20.000 sec	9-13 Internal Adjustment	Internal Adjustment	0.1-1.0 sec	97 x 60 mm (3.85 x 2.38 in)	4	5 amps	3000 hrs	Yes	18 oz (510 g)	Up to 400 amps*	5-350 amps

* Amperage ratings may differ for processes involving aluminium and stainless steel.

Helmet Accessories Chart

Description	FS Series	Performance Series™ XLi	Performance Series™ XLix	Performance Series™ Elite™
Inside lens cover	770237	770237	770237	216327
Auto-darkening lens assembly	770226	216822	216823	216328
Front lens cover	770237	770240	770241	216326
Gasket, front lens	n/a	n/a	n/a	216337
Front lens holder kit*	n/a	770156*	770245*	n/a
Ratchet headgear assembly	770246	770120	770246	770246
Adjustment angle/stop kit	770248	n/a	770248	770248
"Cosmel" fabric headband	770249	770249	770249	770249
Battery, lithium (CR2450)	n/a	217043 (1)	217043 (1)	217043 (2)
Comfort cushion, foam rubber	n/a	216336	216336	216336
Optional Components				
Magnifying lens 1.5x	212238	n/a	212238	212238
Magnifying lens 2.0x	212240	n/a	212240	212240
Magnifying lens 2.5x	212242	n/a	212242	212242

* Kit includes front lens holder, 5 front lens covers and 1 inside lens cover.

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Then check out our extensive range of Miller and Hobart Auto-Darkening Helmets for your ultimate protection, including the sizzling Inferno and Orange County Chopper. Every Miller and Hobart helmet delivers the performance and all the features you'd expect from the best. Choose the one that's right for you.

FS Series

The FS10 is the perfect choice for entry into the world of Auto-Darkening Helmet protection. It handles Stick and MIG welding up to 150 Amps with ease and features a solar powered lens for effortless performance and maximum convenience. Lightweight and comfortable – it has DIY enthusiasts, light industrial welders and rural users covered. Not recommended for TIG and repetitive tack welding.

Model

FS10 Black Shell - 770255

Description

- Fixed Shade 10.
(Lens can be upgraded to shade 11.5 with the addition of the optional 'shade-on' lens P/N AEP11-0/5).
- Two Arc Sensors. Provides continuous arc sensing capability. Lens darkening reaction time is 1/3,600 sec.
- Lightweight polyamide nylon shell for excellent durability.
- Comfortable fully adjustable ratchet style headgear with odour absorbing headband and comfort cushion.
- Solar-powered lens. Features auto on/off circuitry at 15-20 minutes.
- Magnifying lens holder comes standard.
- 12 month warranty.
- Standards ANSI Z8.1.

Optional Accessories

Magnifying lens x 1.5 - 212238
Magnifying lens x 2.0 - 212240
Magnifying lens x 2.5 - 212242

Miller helmet bag - 770250
Front cover lens - 770237



XLi Series

Designed for DIY and light industrial welders, but packed with the features that you'd expect from high end professional models, including variable shade selector and independent sensors to ensure optimum arc sensing. The XLi lens series tackles low amp TIG applications with ease – all the way down to 15 Amps. The Performance Series™ solar-assist lens technology delivers up to 3,000 hours of interruption free welding with MIG, Stick and Inverter power sources – giving you the peace of mind that your helmet will always be ready to go when you are. Available in a range of shell designs that promise to add a touch of inspiration to any welding job.

Model

Black - 217290 Red Flame - 217287 Black Flame - 217288

Description

- Flame graphic shell.
- Variable welding shades 9 to 13.
- Two independent arc sensors. Provides continuous arc sensing capability. Lens automatically switches from light safety shade to adjustable welding shades 9 to 13 when an arc is struck. Lens darkening reaction time is 1/18,000 seconds.
- Battery-powered (replaceable) with solar-assist for exceptionally long life and no charging required. Features auto-off circuitry at 15-20 minutes, and low battery indicator.
- Lightweight polyamide nylon shell for excellent durability.
- Comfortable fully adjustable ratchet style headgear with odour absorbing headband and comfort cushion.
- Adjustable sensitivity and delay controls.
- Helmet bag included.
- 18 month warranty.
- Standards ANSI Z8.1/DIN/TUV/CE.

Optional Accessories

Front cover lens - 770240



XLix Series

When you're getting serious about your welding, the XLix is what you need. Designed for optimum performance, the lens design is built for variable welding shades from 9 to 13, with an external shade control enabling further adjustment while welding.

Exceptional clarity and protection in ultra low TIG applications down to 5 Amps, sensitivity control and impressive switching times compared to the standard FS and XLi series ensure the XLix series delivers the response and protection for those heavy duty welding jobs and out of position environments.

Model

Black - 216825 Stars & Stripes - 216826 Orange County Chopper - 222674

Description

- Variable welding shades 9 to 13.
- Two independent arc sensors. Provides continuous arc sensing capability. Lens automatically switches from light safety shade to adjustable welding shades 9 to 13 when an arc is struck. Lens darkening reaction time is 1/20,000 seconds.
- Battery-powered (replaceable) with solar-assist for exceptionally long life and no charging required. Features auto-off circuitry at 15-20 minutes, and low battery indicator.
- Lens sensitivity and delay controls.
- Lightweight polyamide nylon shell for excellent durability.
- Comfortable fully adjustable ratchet style headgear with odour absorbing headband and comfort cushion.
- Magnifying lens holder.
- Headband comfort cushion included.
- Helmet bag included.
- External Shade Control.
- 18 month warranty.
- Standards ANSI Z8.1/DIN/TUV/CE.

Optional Accessories

Front cover lens - 770241
Magnifying lens x 1.5 - 212238

Magnifying lens x 2.0 - 212240
Magnifying lens x 2.5 - 212242



Elite™ Series

The Elite™ helmet series is for serious welders who need protection for heavy duty welding jobs. With a 30% larger viewing area than the standard range and four independent sensors for arc-sensing capability it can adapt to the toughest applications and environments, such as ultra low TIG down to 5 Amps and out-of-position welding.

With a huge range of shell designs on offer, you can get the performance you expect from the top of the range plus add a bit of spice to your welding get up.

Model

Black - 216322 Black Flame - 217289 Red Flame - 216323
Inferno - 222669 Stars & Stripes - 216321 Orange Country Chopper - 222671

Description

- 30% larger viewing area than our standard lens for maximum viewing capacity.
- Variable welding shades 9 to 13.
- Lens technology responds to extremely low-amperage TIG arcs (5 amps and below), including DC inverter TIG.
- Battery-powered (replaceable), with solar-assist or exceptionally long life (3,000 hours on MIG), no charging required!
- Excellent magnifying lens holding system holds magnifying lens securely in place while allowing for vertical adjustment.
- Four independent arc sensors provide continuous arc-sensing capability for your most demanding applications - highly recommended for low amperage TIG! Lens darkening reaction time is 1/20,000 sec.
- Lightweight polyamide nylon shell for excellent durability.
- Comfortable fully adjustable ratchet style headgear with odour absorbing headband and comfort cushion.
- Helmet bag included.
- 18 month warranty.
- Standards ANSI z8.1/DIN/TUV/CE.

Optional Accessories

Front cover lens - 216326
Magnifying lens x 1.5 - 212238

Magnifying lens x 2.0 - 212240
Magnifying lens x 2.5 - 212242



Accessories

Miller Helmet Bag

- Features draw string closure, ultra-soft inside liner and convenient exterior storage pouch for gloves and glasses.

Magnifying Lenses

- Add some extra boost to your Miller Auto-Darkening Helmet with a magnifying lens.

Headgear Cushion

- Foam rubber cushion to fit to the rear of the headgear. Fits all models. Increases comfort and reduces fatigue when welding for extended periods.



Miller Auto-Darkening Helmets