

# ARC ARMOR™ WELDING PROTECTION



## HEAD AND FACE

### TITANIUM Series™

**Industrial Helmets for the Most Extreme Welding and Grinding Applications**

- Innovative aluminum heat shield protects the analog lens in high amperage applications
- Silver shell reflects heat to keep helmet and user cool
- Durable shock-absorbing gasket protects lens from drop impact
- Convenient quick release provides easy access for changing common front cover lenses

**FREE \$25.00 ACCESSORY PACKAGE**  
Includes Helmet Bag, Comfort Cushion and Replacement Cover Lenses.



Titanium 1600™  
#245 799

Titanium 7300™  
#245 800

Titanium 9400™  
#245 801

Titanium 9400i™  
#245 804

Integrated Grinding Shield

### DIGITAL Elite Series™

**Ultimate Helmets PLUS Four Modes of Digital Versatility for Most Welding and Cutting Applications**

- Features 4 Arc Sensors and 4 Modes: Weld (Shade 8-13), Cut (Shades 5-8), Grind (Shade 3) and X-Mode (Shades 8-13)
- X-Mode eliminates: Sunlight interference, Low-Amperage Lens Opening – TIG, Lens Opening from Obstructed Sensors – Hidden/Cavity Welds

See pg. 7 for Digital Elite upgrade kit

**FREE \$25.00 ACCESSORY PACKAGE**  
Includes Helmet Bag, Comfort Cushion and Replacement Cover Lenses.



Black  
#241 979

Lucky's Speed Shop™  
#237 745

Vintage USA™  
#236 340

Stars and Stripes II™  
#234 762

Inferno™  
#234 761

Wicked™  
#241 462

The Joker™  
#235 041

Digital Camo  
#248 260



## Elite Series™

### Ultimate Helmets for Most Applications

- Variable Shades 8-13 with Four Sensors

**FREE \$25.00  
ACCESSORY PACKAGE**

Includes Helmet Bag, Comfort Cushion  
and Replacement Cover Lenses.



Black  
#241 975

Stars and  
Stripes II™  
#234 065

Lucky's  
Speed Shop™  
#237 744

Inferno™  
#222 669

Sinister™  
#250 088

Vintage USA™  
#237 838

Camouflage  
#227 188

The Joker™  
#227 187

Wicked™  
#241 464

Hockey  
Canada™  
#245 135

## PERFORMANCE Series™

### Mid-Range Helmets for Most Welding Applications

- Variable Shades 8-13 with Three Sensors

**FREE \$25.00  
ACCESSORY PACKAGE**

Includes Helmet Bag, Comfort Cushion  
and Replacement Cover Lenses.



Black  
#232 035

'64 Custom™  
#250 532

Motorsports™  
#232 039

America's Eagle™  
#232 036

Fireball™  
#234 514

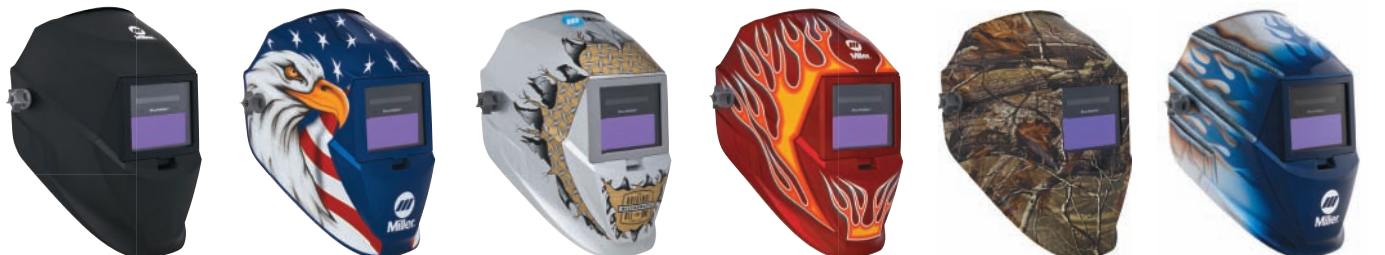
Camouflage  
#241 460

Blue Rage™  
#241 458

## Pro-Hobby Series™

### Ideal Helmets for Light Duty Applications

- Variable Shades 8-12 with Two Sensors



Black  
#231 404

American Eagle™II  
#231 405

Millermatic™  
#231 406

Red Flame  
#231 408

Camouflage  
#231 407

Blue Heat  
#250 366

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## HEAD AND FACE

### Pro-Hobby™ FS# 10

Ideal for Farm, Home and Hobby

- Fixed shade 10 and light state 3
- Lens speed—1/3,600 second
- Solar-powered, no batteries required
- Ratchet-style headgear with precise control
- Low-amperage TIG rating (20 amps)
- Includes magnifying lens holder
- Weighs only 16 oz (454 g)
- Replacement cover lenses included



Not recommended for industrial applications or repetitive welding applications



Black  
#231 703

FS#10 helmet is only sold in quantities of 4.

### MP-10™

Miller Quality in a Non-Auto-Darkening Helmet

- Passive Shade 10 Lens
- Uses industry standard size filter plate and inside cover lens
- Upgradeable to an Auto-Darkening Lens
- 30 Day Limited Warranty (Limited to Defects only)



Black  
#235 626 (6 pack)  
#238 497 (Each)



Inferno™  
#235 627 (6 pack)  
#238 496 (Each)

## Helmet Selection Guide

Model	Shade Type (all lenses have light state 3)	Viewing Field	Arc Sensors	Grind Mode	Power Control	Power Supply	Lens Speed (Seconds)	Sensitivity Control	Delay Control	TIG Rating	Magnifying Lens Holder	Weight
Digital Elite	Variable Shade 8-13 (5-8 for cut mode)	3.85 x 2.38 in. (97 x 60 mm)	4	Yes	Manual-On Auto-Off	Replaceable Lithium Batteries, (2) 3000 hrs	1/20,000	Yes	.10-1.0 sec	5 amps	Yes	18 oz (510 g)
Elite	Variable Shade 8-13	3.85 x 2.38 in. (97 x 60 mm)	4	Yes	Auto-On Auto-Off	Replaceable Lithium Batteries, (2) 3000 hrs	1/20,000	Yes	.10-1.0 sec	5 amps	Yes	18 oz (510 g)
Performance	Variable Shade 8-13	3.85 x 1.85 in. (97 x 47 mm)	3	Yes	Auto-On Auto-Off	Replaceable Lithium Batteries, 2000 hrs	1/20,000	Yes	.10-1.0 sec	5 amps	Yes	17 oz (482 g)
Pro-Hobby	Variable Shade 8-12	3.85 x 1.57 in. (97 x 40 mm)	2	—	Manual-On Auto-Off	Replaceable Alkaline Batteries (2)	1/12,000	Yes	Slow/Fast	20 amps	Yes	16 oz (454 g)
Pro-Hobby FS #10	Fixed Shade 10	3.70 x 1.37 in. (94 x 35 mm)	2	—	Auto-On Auto-Off	Rechargeable solar cell	1/3,600	—	—	20 amps	Yes	16 oz (454 g)
MP-10	#10 Filter Plate	4 x 4 in. (102 x 102 mm)	0	—	—	—	—	—	—	—	Yes	18 oz (510 g)

### Industrial

Titanium™ 9400i	Variable Shade 8-13	3.85 x 2.38 in. (97 x 60 mm)	4	Yes	Auto-On Auto-Off	Replaceable Lithium Batteries, (2) 3000 hrs	1/20,000	Yes	.10-1.0 sec	5 amps	Yes	24 oz (680 g)
Titanium™ 9400	Variable Shade 8-13	3.85 x 2.38 in. (97 x 60 mm)	4	Yes	Auto-On Auto-Off	Replaceable Lithium Batteries, (2) 3000 hrs	1/20,000	Yes	.10-1.0 sec	5 amps	Yes	20 oz (567 g)
Titanium™ 7300	Variable Shade 8-13	3.85 x 1.85 in. (97 x 47 mm)	3	Yes	Auto-On Auto-Off	Replaceable Lithium Batteries, 2000 hrs	1/20,000	Yes	.10-1.0 sec	5 amps	Yes	19 oz (539 g)
Titanium™ 1600	#10 Filter Plate	4 x 4 in. (102 x 102 mm)	0	—	—	—	—	—	—	—	Yes	17 oz (482 g)



## Auto-Darkening Helmet Accessories

### Magnifying Lenses for All Miller Helmets

- |          |                    |          |                    |
|----------|--------------------|----------|--------------------|
| #212 235 | 0.75 magnification | #212 239 | 1.75 magnification |
| #212 236 | 1.00 magnification | #212 240 | 2.00 magnification |
| #212 237 | 1.25 magnification | #212 241 | 2.25 magnification |
| #212 238 | 1.50 magnification | #212 242 | 2.50 magnification |

### Digital Elite Upgrade Kit

#### #236 052

Consisting of a Digital lens, lens gasket, and lens holder, this kit gives standard Elite and MP-10 helmet owners the option to upgrade their helmet to the new digital technology at a savings.



### Helmet Bag with Miller Logo

#### #770 250

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

*Helmet bag is included with the purchase of Performance, Elite, Digital Elite and Titanium Series helmets.*



### Comfort Cushion

#### #216 336

The exclusive comfort cushion is also available as an optional item for a variety of applications including hard hats and face shields.

*Comfort cushion is included with the purchase of Performance, Elite, Digital Elite and Titanium Series helmets.*



### Hard Hat Adapter

#### #213 110 (XL and XLi)

#222 003 (XLix, Elite, Performance, ProHobby and MP-10 Series)

*Adapters are compatible with Fibre Metal and MSA hards. Other brands may or may not fit depending on overall size and shape.*

*\*Helmet and Hat Not Included*



## 2x4 Auto-Darkening Lenses

- 2 Arc Sensors
- Auto-On/Auto-Off circuitry
- Solar Powered - no batteries required
- 3.70 x 1.37" Viewing Field
- Switching Speed of 1/3,600 sec.
- Light state Shade #3
- 2 Year Warranty
- Meets ANSI Z87 and CSA Z94.3 Standards

#770 660 (Shade 8)

#770 659 (Shade 9)

#770 226 (Shade 10)



## Safety Glasses

- Form fitting orbital eye coverage
- Shatterproof polycarbonate lenses
- Rubber ear pads
- Soft foam protection guards dust and perspiration from the eye
- Shade 3.0 and 5.0 Glasses feature reflective outer coating providing ultraviolet protection and enhanced contrast with minimal glare
- Meets ANSI Z87.1 Standards

### Clear Lens

#238 979 (Black frame)

### Smoked Lens

#235 656 (Black frame)

#235 655 (Blue frame)

### Shade 3.0 Lens

#235 662 (Black frame)

#235 661 (Blue frame)

#235 663 (Orange frame)

### Shade 5.0 Lens

#235 658 (Black frame)

#235 657 (Blue frame)

#235 659 (Orange frame)

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## Auto-Darkening Helmet Replacement Parts

Item	Description	MP-10 Series	Hobart FS#10	Xli Series	Xlix Series	Pro-Hobby FS#10	Pro-Hobby Series	Performance Series	Elite Series <sup>1</sup>	Digital Elite Series	Titanium 1600	Titanium 7300
1	Helmet shell, Black	216 331	—	217 606 (N/A)	770 236 (N/A)	231 415	231 415	232 020	216 331	216 331	—	—
	Helmet shell, Black (QR)	—	—	—	—	—	—	—	241 976	241 976	—	—
	Helmet shell, American Eagle	—	—	223 645 (N/A)	—	—	231 416	232 021	—	—	—	—
	Helmet shell, Red Flame	—	—	—	—	—	231 419	—	216 332	—	—	—
	Helmet shell, Millermatic	—	—	770 233 (N/A)	—	—	231 417	232 023	—	—	—	—
	Helmet shell, Blue Flame	—	—	—	—	—	—	237 160	—	—	—	—
	Helmet shell, Fire Ball	—	—	—	—	—	—	234 513	—	—	—	—
	Helmet shell, Motorsports	—	—	—	—	—	—	232 024	—	—	—	—
	Helmet shell, Camouflage	—	—	227 423 (N/A)	—	—	231 418	241 461	227 190	—	—	—
	Helmet shell, OCC Paul Jr.	—	—	—	223 459 (N/A)	—	—	—	223 456	—	—	—
	Helmet shell, Stars and Stripes II	—	—	—	—	—	—	—	234 066	234 066	—	—
	Helmet shell, Inferno	223 454	—	—	—	—	—	—	223 454	223 454	—	—
	Helmet shell, '29 Roadster	—	—	—	—	—	—	—	225 864	—	—	—
	Helmet shell, Lucky's Speed Shop	—	—	—	—	—	—	—	237 872	237 872	—	—
	Helmet shell, UA Series 1	—	—	—	—	—	—	—	229 366	—	—	—
	Helmet shell, Blue Rage	—	—	—	—	—	—	241 459	—	—	—	—
	Helmet shell, Hockey Canada	—	—	—	—	—	—	—	245 136	—	—	—
	Helmet shell, Joker (Black)	—	—	—	—	—	—	—	247 058	247 058	—	—
	Helmet shell, Vintage (Orange)	—	—	—	—	—	—	—	247 059	247 059	—	—
	Helmet shell, Titanium (QR)	—	—	—	—	—	—	—	—	—	243 530	243 530
	Helmet shell, Dig Camo	—	—	—	—	—	—	—	—	248 261	—	—
	Helmet shell, Sinister	—	—	—	—	—	—	—	250 089	—	—	—
	Helmet shell, Wicked	—	—	—	—	—	—	—	241 465	—	—	—
	Helmet shell, '64 Custom	—	—	—	—	—	—	250 533	—	—	—	—
	Helmet shell, Blue Heat	—	—	—	—	—	250 367	—	—	—	—	—
2	Inside lens cover (5¼ x 4½ in) (5-pkg)	235 628	—	—	—	—	—	—	—	—	235 628	—
	Inside lens cover (4¼ x 2 in) (5-pkg)	—	770 237	770 237	770 237	—	—	770 237	—	—	—	770 237
	Inside lens cover (4¼ x 2½ in) (5-pkg)	—	—	—	—	—	—	—	216 327	216 327	—	—
	Inside lens cover (4¼ x 1¾ in) (5-pkg)	—	—	—	—	231 410	231 410	—	—	—	—	—
3	Auto-darkening lens assembly	—	770 226	216 822	216 823	231 571	231 409	232 026	216 328 <sup>1</sup>	234 760	—	245 816
	Filter plate	235 630	—	—	—	—	—	—	—	—	235 630	—
3a	Gasket, auto-darkening lens assy	—	—	—	—	—	—	—	234 758 <sup>1</sup>	234 758	—	—
3b	Gasket, ADF lens assembly (QR)	—	—	—	—	—	—	—	241 977	241 977	245 813	245 814
4	Gasket, front lens	—	—	—	—	231 412	231 412	232 028	216 337	216 337	—	—
5	Front lens cover (4½ x 3¾ in) (5-pkg)	—	—	—	—	231 411	231 411	—	—	—	—	—
	Front lens cover (4¾ x 5 in) (5-pkg)	—	—	—	—	—	—	231 921	—	—	—	—
	Front lens cover (4 <sup>11</sup> / <sub>16</sub> x 5 <sup>5</sup> / <sub>8</sub> in) (5-pkg)	216 326	—	—	—	—	—	—	216 326	216 326	216 326	216 326
	Front lens cover (4 <sup>5</sup> / <sub>8</sub> x 3¾ in) (5-pkg)	—	—	—	770 241	—	—	—	—	—	—	—
	Front lens cover (4½ x 3 <sup>3</sup> / <sub>8</sub> in) (5-pkg)	—	—	770 240	—	—	—	—	—	—	—	—
	Front lens cover (4¼ x 2 in) (5-pkg)	—	770 237	—	—	—	—	—	—	—	—	—
6	Front lens holder, Black, flat	—	—	770 156	770 245	231 572	231 572	232 030	241 978	241 978	—	—
	Front lens holder, Gray	—	—	770 242	—	—	231 573	232 031	—	—	—	—
	Front lens holder, Red	—	—	770 243 (N/A)	—	—	231 574	203 586	—	—	—	—
	Front lens holder, Gloss Black	—	—	—	—	—	—	232 032	—	—	—	—
	Front lens holder, Blue	—	—	223 460	770 244	—	231 575	232 033	—	—	—	—
	Front lens holder, Yellow	—	—	—	—	—	—	232 034	—	—	—	—
	Front lens holder, Camouflage	—	—	227 424 (N/A)	—	—	231 576	243 395	—	—	—	—
	Front lens holder, Light Blue	—	—	—	—	—	—	251 278	—	—	—	—
	Front lens holder, Titanium	—	—	—	—	—	—	—	—	—	243 396	243 396
7	Frame, lens holding	216 335	—	—	—	—	—	—	216 335 <sup>1</sup>	234 759	—	—
7a	Spacer, lens holding (MP-10)	235 629	—	—	—	—	—	—	—	—	—	—
8	Ratchet headgear assembly (includes #9 & #10)	770 246	770 246	770 120	770 246	770 246	770 246	770 246	770 246	770 246	770 246	770 246
9	Adjustment angle/stop hardware kit	770 248	770 248	770 247	770 248	770 248	770 248	770 248	770 248	770 248	770 248	770 248
10	Fabric headband	770 249	770 249	770 249	770 249	770 249	770 249	770 249	770 249	770 249	770 249	770 249
	Replacement o-rings for kit #770 248 (5 per pkg)	079 975	079 975	079 975	079 975	079 975	079 975	079 975	079 975	079 975	079 975	079 975
11	Comfort cushion	216 336	216 336	216 336	216 336	216 336	216 336	216 336	216 336	216 336	216 336	216 336
12	Battery tray, kit (left/right)	—	—	—	—	—	—	232 027	216 339	216 339	—	216 339
	Battery, lithium CR2450 (not shown)	—	Solar Cell	217 043	217 043	Solar Cell	AAA Alkaline	217 043	217 043(2)	217 043(2)	—	217 043
	Battery cover (not shown)	—	—	217 044	217 044	—	231 413	—	—	—	—	—
13	Lens, Grinding Shield (Clear)	—	—	—	—	—	—	—	—	—	—	—
14	Clips, Retaining Grinding Shield	—	—	—	—	—	—	—	—	—	—	—
15	Aluminum heat shield	—	—	—	—	—	—	—	—	—	246 759	—

<sup>1</sup>Elite helmets with bottom controls use ADF lens assy 248728, gasket 234758, and lens holding frame 234759



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Titanium 9400	Titanium 9400i
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243 530	245 820
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216 327	216 327
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245 817	245 817
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241 977	241 977
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241 977	241 977
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243 396	245 815
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770 246	770 246
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079 975	079 975
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216 336	216 336
216 339	216 339
217 043(2)	217 043(2)
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—	245 819(2)
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