

VIKING™ Auto-Darkening Welding Helmets

VIKING™
WELDING HELMETS

Processes

Stick, TIG, Pulsed TIG, MIG, Pulsed MIG, Flux-Cored, Gouging, Grinding

Product Number

See pg 2 - 4 for all models

See back for complete specs

Viewing Area

1840 Series: 3.78 x 1.85 in. (96 x 47 mm)
2450 Series: 3.82 x 2.44 in. (97 x 62 mm)
3350 Series: 3.74 x 3.34 in. (95 x 85 mm)

Variable Shades

1840/2450 Series: DIN 9-13,
3350 Series: DIN 6-13

Light to Dark Switching

1/25,000 sec.

Arc Sensors

1840 Series: 2, 2450/3350 Series: 4

Light State/Grind Mode

DIN 3.5

TIG Amp Rating

1840/2450 Series: DC>3 Amp;
AC>5 Amp
3350 Series: DC> 2 Amp, AC>4 Amp

Power Supply

1840 Series: Solar Powered
w/ Battery Assist
2450/3350 Series: Solar Cells
w/ Replaceable Lithium Batteries

Rugged. Light Weight. Feature-packed.

VIKING™ solar-powered auto-darkening helmets are loaded with features, built to demanding specs and packaged with a host of accessories.

FEATURES

- ▶ **Continuously variable control** – For shade and sensitivity.
 - Shade control.
 - 1840 9-13 Shade External Control
 - 2450 9-13 Shade Internal Control
 - 3350 6-13 Series Internal Control
 - Sensitivity – Adjustable for different welding environments.
 - Delay – Adjustable from dark back to light state.
- ▶ **Light weight** –
 - 1840 Black - 18 oz (510 g)
 - 2450 Black - 20 oz (567 g)
 - 3350 Black - 20 oz (567 g)
- ▶ **Grind mode** – Great for weld prep or post-weld clean up activities.
- ▶ **Magnifying 'cheater' lens** capable
- ▶ **Hard hat adapter** capable
- ▶ **Bonus accessories**
 - Extra Cover Lenses Enclosed (2) inside and (5) outside.
 - Bandana.
 - Helmet Sport-Pak bag.
 - Replaceable lithium batteries. 2450 - Qty 2, 3350 - Qty 1.



1840 SERIES
Tribal™
K3024-1

2450 SERIES
Street Rod™
K3035-1



3350 SERIES
3350 Patriot™
K3036-1

2
YEAR WARRANTY
PARTS AND LABOR
AÑOS DE GARANTIA
PARTES Y MANO DE OBRA
ANS DE GARANTIE
PIECES ET MAIN D'OEUVRE



Solar Powered
With Battery Assist



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LINCOLN®
ELECTRIC
THE WELDING EXPERTS™

1840 SERIES



1840 Black
K3023-1



Tribal™
K3024-1



Cruzin Sticks™
K3025-1



1840 Patriot™
K3026-1



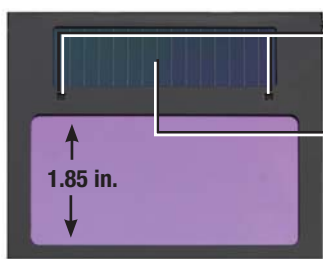
Amp Angel™
K3027-1



Amp Angel™

Design intended specifically for female welders.

110 X 90 mm (4.33 X 3.54 in.) CARTRIDGE



Two Independent Arc Sensors – Helps avoid blind spots that prevent auto-darkening.

Solar-Powered – With battery assist. No on/off switch to remember.

External Wired Variable Shade Control – For shade 9-13.

External Grind Mode – Use helmet as a grinding shield.

18 40 Series –

40 designates 90 x 110 mm cartridge compatible shell.
1.85 in. height of viewing area.



Continuously Variable Delay – 0.1 – 1.0 sec.

Continuously Variable Sensitivity – For use in different ambient light welding environments.

Substantial View Size – 96 x 47 mm, 3.78 x 1.85 in.

Magnifying 'Cheater' Lens Capable – Easy to add Lincoln Electric lenses. See back page for details.

Top Quality LCD Optics – Deliver a clear, natural view.

Meets ANSI, CAN/CSA and CE Requirements – 3rd party testing of cartridge design.

2450 SERIES



2450 Black
K3028-1

Heavy Metal™
K3029-1

Street Rod™
K3035-1

2450 Patriot™
K3032-1

Graveyard Shift™
K3099-1

NEW!



Thor™
K3040-1



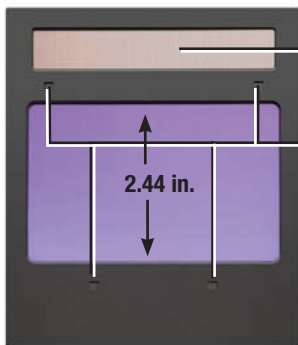
Captain America™
K3041-1



Hemisfear™
K3030-1



4.50 X 5.25 in. (114 X 133 mm) CARTRIDGE



Solar-Powered – With user replaceable batteries. Two CR2450 lithium batteries required (included with helmet). No on/off switch to remember.

Rigid Protective Cartridge Frame Holder – Securely locks cartridge into place (not shown).

Four Independent Arc Sensors – Helps avoid blind spots that prevent auto-darkening.

24 50 Series –

50 designates 4.50 x 5.25 in. cartridge compatible shell.
2.44 in. height of viewing area.



Low Battery Indicator Light

Continuously Variable Delay – 0.1 – 1.0 sec.

Internal Variable Shade Control – For shade 9-13.

Continuously Variable Sensitivity – For use in different ambient light welding environments.

Internal Grind Mode – Use helmet as a grinding shield.

Substantial View Size – 97 x 62 mm, 3.82 x 2.44 in.

Magnifying 'Cheater' Lens Capable – Easy to add Lincoln Electric lenses. See back page for details.

Top Quality LCD Optics – Deliver a clear, natural view.

Meets ANSI, CAN/CSA and CE Requirements – 3rd party testing of cartridge design.

Battery Compartments (CR 2450 lithium batteries required Qty – 2)

3350 SERIES



3350 Black
K3034-1



3350 Patriot™
K3036-1



3350 Tribal™
K3074-1



Motorhead™
K3100-1

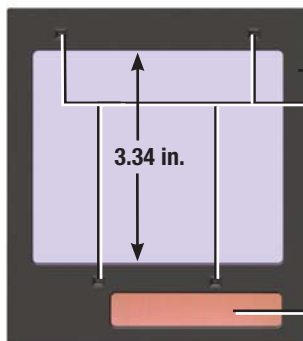


Terracuda™
K3039-1



Mojo™
K3101-1

4.50 X 5.25 in. (133 X 114 mm) CARTRIDGE



Rigid Protective Cartridge Frame Holder – Securely locks cartridge into place (not shown).

Four Independent Arc Sensors – Helps avoid blind spots that prevent auto-darkening.

33 50 Series –

50 designates 4.50 x 5.25 in. cartridge compatible shell.
3.34 in. height of viewing area.

Solar-Powered – With user replaceable battery. One CR2450 lithium battery required (included with helmet). No on/off switch to remember.

Shade Range Switch – Toggle between 6-9 or 9-13.

Substantial View Size – 95 x 85 mm, 3.74 x 3.34 in.

Magnifying 'Cheater' Lens Capable – Easy to add Lincoln Electric lenses. See back page for details.

Top Quality LCD Optics – Deliver a clear, natural view.

Meets ANSI, CAN/CSA and CE Requirements – 3rd party testing of cartridge design.

Continuously Variable Delay – 0.1 – 1.0 sec.

Continuously Variable Sensitivity – For use in different ambient light welding environments.

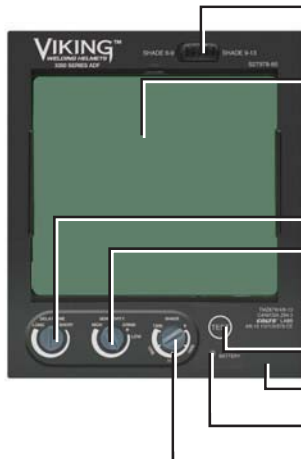
Internal Grind Mode – Use helmet as a grinding shield.

Battery/Shade Test Control – Pre-test helmet shade before welding.

Battery Compartment (CR 2450 lithium battery required Qty – 1)

Low Battery Indicator Light

Internal Variable Shade Control – For shade 6-9 or 9-13 based on shade range selected.



SHARED FEATURES



Lightweight, Full Coverage Shell

- Sheds spatter and resists impact. Meets ANSI Z87.1, CAN/CSA Z94.3 and CE certification.



Magnifying 'Cheater' Lens Capable

- For weld puddle clarity.
- Select from these lenses KP3046-100, KP3046-125, KP3046-150, KP3046-175, KP3046-200, KP3046-225, KP3046-250

note: Part number extension is the diopter



Headgear

- Secure up stop keeps helmet up when not welding.
- Fore/Aft adjustment for distance from face.
- Soft absorbent sweat band.



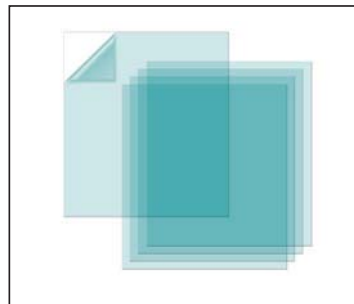
Hard Hat Adapter Capable

- For most hard hat models.
- Order KP3047-1.

GREAT BONUS ITEMS!



1840 Series Sport-Pak helmet bag includes Tribal™ bandana.



Extra Cover Lenses Enclosed

- Inside lens – QTY 2
- Outside lens – QTY 5



2450 and 3350 Series Sport-Pak helmet bag includes Foose® bandana.



In addition to a Sport-Pak, the 1840 Black, 2450 and 3350 Black Series helmets include a decal sheet. Design your own helmet!

REPLACEMENT PARTS

Sales Number	Description	Dimensions	Package Qty.	Works With				
				1840 Series	2450 Series	3350 Series	700G Series	750S Series
KP2853-1	700G/1840 ADF CARTRIDGE	DINS 110 X 90	1	•			•	
KP2932-1	2450 SERIES ADF CARTRIDGE	STD 4 X 5	1		•			
KP3045-1	3350 SERIES ADF CARTRIDGE	STD 4 X 5	1			•		
KP2899-1	750S SERIES ADF CARTRIDGE	STD 4 X 5	1					•
KP2897-1	INSIDE CLEAR COVER LENS	96 x 51.6 x 1.0 mm (3.78 x 2.03 x .04 in.)	5	•			•	•
KP2898-1	OUTSIDE CLEAR COVER LENS	114 x 133 x 1.0 mm (4.5 x 5.25 x .04 in.)	5		•	•		•
KP2913-1	OUTSIDE CLEAR COVER LENS	112 x 91.3 x 1.5mm (4.41 x 3.59 x .06 in.)	5				•	
KP2931-1	INSIDE CLEAR COVER LENS	98.5 x 66.5 x 1.0mm (3.88 x 2.62 x .04 in.)	5		•			
KP3043-1	OUTSIDE CLEAR COVER LENS	114 x 100 x 1.5 mm (4.5 x 3.94 x .06 in.)	5	•				
KP3044-1	3350 INSIDE CLEAR COVER LENS	94.7 x 89.7 x 1.0 mm (3,73 x 3.53 x .04 in.)	5			•		
KP3046-100	CHEATER LENS 1.00 MAG	2 X 4.25 FRAME, 1.0 MAG	1	•	•	•	•	
KP3046-125	CHEATER LENS 1.25 MAG	2 X 4.25 FRAME, 1.25 MAG	1	•	•	•	•	
KP3046-150	CHEATER LENS 1.50 MAG	2 X 4.25 FRAME, 1.5 MAG	1	•	•	•	•	
KP3046-175	CHEATER LENS 1.75 MAG	2 X 4.25 FRAME, 1.75 MAG	1	•	•	•	•	
KP3046-200	CHEATER LENS 2.00 MAG	2 X 4.25 FRAME, 2.0 MAG	1	•	•	•	•	
KP3046-225	CHEATER LENS 2.25 MAG	2 X 4.25 FRAME, 2.25 MAG	1	•	•	•	•	
KP3046-250	CHEATER LENS 2.50 MAG	2 X 4.25 FRAME, 2.5 MAG	1	•	•	•	•	
KP2930-1	SWEATBAND	N/A	2	•	•	•	•	•
KP2854-1	SWEATBAND	N/A	2				•	•
KP2929-1	HEADGEAR W/SWEATBAND	N/A	1	•	•	•		•
KP2851-1	HEADGEAR W/SWEATBAND	N/A	1				•	•
KP3047-1	HARD HAT ADAPTER	N/A	1	•	•	•		

PRODUCT SPECIFICATIONS

Series	Lens Switching Speed (sec)	Variable Shade/Control	Magnifying "Cheater" Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (sec)	Arc Sensors	TIG Amp Rating	Cartridge Size in. (mm)	View Size in. (mm)	Temperature Range	Weight oz. (g)
VIKING™ 1840	1/25,000	9-13 / External	Yes	3.5 / External	Continuous	0.1 - 1.0 Fully Adjustable	2	DC > 3 Amp AC > 5 Amp	DINS 4.33 x 3.54 (110 x 90)	3.78 x 1.85 (96 x 47)	Operating: -10°C - +55°C (14°F - 131°F) Storage: -20°C - +70°C (-4°F - 158°F)	18 (510)
VIKING™ 2450		9-13 / Internal		3.5 / Internal								4
VIKING™ 3350		6-13 Internal							DC > 2 Amp AC > 4 Amp	3.74 x 3.34 (95 x 85)		20 (567)



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