

# THE IDEAL CHOICE FOR THE JOURNEYMAN FABRICATOR

## VIKING™ 2450 Series



Graveyard Shift™  
K3099-2

Street Rod™  
K3035-2



2450 Black™  
K3028-2

2450 All American™  
K3174-2



Shown:  
HEAVY METAL™ K3029-2

## KEY FEATURES

The VIKING 2450, the latest evolution in our highly successful mid-priced auto-darkening helmet line, provides the best optical clarity available in a welding helmet today. The 2450 Series offers an improved headgear for greater comfort and flexibility. Choose from five unique graphic designs.

- Perfect 1/1/1/1 optical clarity rating (EN379)
- Fastest switching speed in its class
- Up to 28% larger viewing area versus competitive helmets
- Designed for long hours of comfortable wear with the new pivot style headgear

### Process »

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

## OPTICAL CLARITY

The NEW VIKING auto-darkening cartridges offer a 1/1/1/1 optical clarity rating. The ratings correspond to four very important optical categories. Each category is graded on a scale of 1-3, with a score of 1 being the best and 3 being the lowest quality. The VIKING upgraded line offers a perfect 1/1/1/1 clarity rating.

### TOP LEVEL QUALITY ON FOUR PARAMETERS:

- **Optical Class** - A clear crisp image to help view the weld puddle.
- **Diffusion of Light Class** - Absence of hazing for a clear view of the welding arc.
- **Variations in Luminous Transmittance** - Shade consistency across the lens.
- **Angle Dependence of Luminous Transmittance Class** - Cartridge retains shading when viewed at an angle.

PREVIOUS 1/2/1/1 OPTICAL CLARITY



NEW 1/1/1/1 OPTICAL CLARITY



Colors are More Vibrant  
Vision is More Clear  
Less Angle Distortion

## REPLACEMENT PARTS

Sales Number	Description	Dimensions	Package Qty.
<b>KP2932-1</b>	2450 SERIES ADF CARTRIDGE	STD 4 X 5	1
<b>KP2898-1</b>	OUTSIDE CLEAR COVER LENS	114 x 133 x 1.0 mm (4.5 x 5.25 x .04 in.)	5
<b>KP2931-1</b>	INSIDE CLEAR COVER LENS	98.5 x 66.5 x 1.0mm (3.88 x 2.62 x .04 in.)	5
<b>KP3046-100</b>	CHEATER LENS 1.00 MAG	2 X 4.25 FRAME, 1.0 MAG	1
<b>KP3046-125</b>	CHEATER LENS 1.25 MAG	2 X 4.25 FRAME, 1.25 MAG	1
<b>KP3046-150</b>	CHEATER LENS 1.50 MAG	2 X 4.25 FRAME, 1.5 MAG	1
<b>KP3046-175</b>	CHEATER LENS 1.75 MAG	2 X 4.25 FRAME, 1.75 MAG	1
<b>KP3046-200</b>	CHEATER LENS 2.00 MAG	2 X 4.25 FRAME, 2.0 MAG	1
<b>KP3046-225</b>	CHEATER LENS 2.25 MAG	2 X 4.25 FRAME, 2.25 MAG	1
<b>KP3046-250</b>	CHEATER LENS 2.50 MAG	2 X 4.25 FRAME, 2.5 MAG	1
<b>KP2930-1</b>	SWEATBAND	N/A	2
<b>KP3908-1</b>	HEADGEAR W/SWEATBAND	N/A	1
<b>KP3047-1</b>	HARD HAT ADAPTER	N/A	1
<b>S27978-31</b>	BLACK REPLACEMENT SHELL	N/A	1
<b>S27978-32</b>	OUTSIDE COVER LENS SEAL	N/A	1
<b>S27978-33</b>	ADF HOLDER	N/A	1

## PRODUCT SPECIFICATIONS

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)	Warranty
1/25,000	5-13 Internal	Yes	3.5 / Internal	Continuous	0.1 - 1.0 Fully Adjustable	4	DC > 3 Amp AC > 5 Amp	US 5.25 x 4.50 (133 x 114)	3.82 x 2.44 (97 x 62)	Operating: -10°C - +55°C (14°F - 131°F) Storage: -20°C - +70°C (-4°F - 158°F)	21 (595)	3 Years

### CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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