

# SUPERIOR OPTICAL CLARITY AT A SUPERIOR PRICE

## VIKING™ 1840 Series



Jessi Combs  
Amp Angel™  
K3027-2

1840 Black  
K3023-2



1840 All  
American™  
K3173-2



Shown:  
TRIBAL™ K3024-2

## KEY FEATURES

The VIKING 1840, the most economical auto darkening helmet in its class, provides the best optical clarity available in a welding helmet today. External control allows for quick and easy shade changes. The 1840 Series offers an improved headgear for greater comfort and optimal fit. Choose from four unique graphic designs.

- Perfect 1/1/1/1 optical clarity rating (EN379)
- 16% larger viewing area than its competitor
- New pivot style head gear
- Convenient external shade control
- Lightweight and compact

### 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.



## REPLACEMENT PARTS

Sales Number	Description	Dimensions	Package Qty.
<b>KP2853-1</b>	700G/1840 ADF CARTRIDGE	DINS 110 X 90	1
<b>KP2897-1</b>	INSIDE CLEAR COVER LENS	96 x 51.6 x 1.0 mm (3.78 x 2.03 x .04 in.)	5
<b>KP3043-1</b>	OUTSIDE CLEAR COVER LENS	114 x 100 x 1.5 mm (4.5 x 3.94 x .06 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>S27978-54</b>	BLACK REPLACEMENT SHELL	N/A	1
<b>S27978-58</b>	OUTSIDE COVER LENS SEAL	N/A	1
<b>S27978-55</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	9-13 Internal	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)	18.8 (533)	3 Years

### CUSTOMER ASSISTANCE POLICY

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