



WELDING HELMETS

see clearly now



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LINCOLN[®]
ELECTRIC
THE WELDING EXPERTS[®]

4C™ lens technology

a clear view to productivity and quality.

A VISION FOR BETTER WELDS

If quality and productivity are your ultimate objectives, your first priority has to be clarity. Simply put, if you can't see the work, you can't do the work. 4C™ technology provides a filtering lens that provides a better, clearer view of the welding puddle.

The 4C™ Lens Technology upgrade to Lincoln Electric's VIKING® welding helmets – including the 1840 series, 2450 series and 3350 series – improves visibility and reduces eye strain by minimizing the traditional lime green coloring in the helmet view screen.

4C™ technology is ideal for a range of industries that use multiple welding processes, including stick, MIG and TIG: fabrication, automotive parts, appliances and more. Whatever the task at hand, 4C™ technology gives you a clear view to productivity and quality.



A vision for better weld.

Better clarity, less color

Now you can make a good view even better. Upgrading the VIKING 1840, 2450 and 3350 series with 4C™ technology allows the view screens on these helmets to reach a 1-1-1 optical clarity rating and the visibility is improved by reducing the lime green tint.

Wide-screen view

4C™ technology enables you to not only see better but also see more. The large viewing area gives you a full range of vision in relation to the welding area, which enhances operator control and improves weld quality.

Easy on the eyes

Improved visibility and less eye strain means greater comfort for the welder. This combined with an improved view of the weld puddle adds up to better welds.



Previous 1/1/1 Optical Clarity



NEW 4C™ 1/1/1 Clarity

4C™ Technology

1. Clarity – Optical clarity 1/1/1
2. Colour – Real Colour View
3. Carat – Light Weight ADF
4. Cut – Even Shade From Any Angle

Viking™ – 3350 Series

Defining A New Gold Standard in Welding Helmets

The VIKING 3350, our top-of-the-line helmet series, provides the best optical clarity available in a welding helmet today and the largest viewing area in its class. The 3350 Series offers a pivot style headgear designed for greater comfort and optimal fit.

Features

- Perfect 1/1/1 optical clarity rating (EN379)
- Continuously variable 5-13 shade with internal control
- Continuously variable sensitivity and delay
- Grind mode
- 95 x 85 mm view size: Largest in the VIKING line
- Large (133 x 114 mm) cartridge size
- 4 arc sensors
- Solar cells with a replaceable lithium battery
- Magnifying "cheater" lens capability
- New pivot style headgear



VIKING
WELDING HELMETS



lens technology
4C™

Processes

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

Order

- K3034-3-CE Viking™ Helmet 3350 Black
- K3100-3-CE Viking™ Helmet 3350 Motorhead™
- K3101-3-CE Viking™ Helmet 3350 Mojo™



Viking™ – 2450 Series

The Ideal Choice for the Journeyman Fabricator

The VIKING 2450, the latest evolution in our intermediate line of auto-darkening helmet, provides the best optical clarity. The 2450 Series offers an improved headgear for greater comfort and flexibility.

Features

- Perfect 1/1/1 optical clarity rating (EN379)
- Continuously variable 5-13 shade with internal control
- Continuously variable sensitivity and delay
- Grind mode
- 97 x 62 mm view size
- Large (133 x 114 mm) cartridge size
- 4 arc sensors
- Solar cells with a replaceable lithium batteries
- Magnifying "cheater" lens capability
- New pivot style headgear



VIKING
WELDING HELMETS



lens technology
4C™

Processes

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

Order

- K3028-3-CE Viking™ Helmet 2450 Black
- K3035-3-CE Viking™ Helmet 1840 Street Rod™



Viking™ – 1840 Series

Superior Optical Clarity at an Attractive Price

The VIKING 1840 provides operators with the best optical clarity available in a welding helmet today. External controls allow for quick and easy shade changes. The 1840 Series offers an improved headgear for greater comfort and optimal fit.

Features

- Perfect 1/1/1 optical clarity rating (EN379)
- Continuously variable 9-13 shade with external control
- Continuously variable sensitivity and delay
- Grind mode
- 96 x 47 mm view size
- Compact DIN 110 x 90 mm cartridge size
- 2 arc sensors
- Solar powered with a replaceable lithium battery
- Magnifying "cheater" lens capability
- New pivot style headgear



VIKING
WELDING HELMETS



lens technology
4C™

Processes

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

Order

- K3023-3-CE Viking™ Helmet 1840 Black
- K3024-3-CE Viking™ Helmet 1840 Tribal™



Viking™ – 1740 Series

Make it Your Own: A Great Welding Helmet at a Great Price

There's no shortage of features on our 1740 series helmet. Available in glossy black finish. Decorate your helmet to reflect your own personal style with the complementary decal sheet.

Features

- 1/1/2 optical class [EN379]
- Continuously variable 9-13 shade with internal control
- Continuously variable sensitivity and delay
- Grind mode
- 96 x 42.5 mm view size
- Compact DINs 110 x 90 mm cartridge size
- 2 arc sensors
- Solar powered with 2 replaceable AAA alkaline batteries
- Magnifying "cheater" lens capable
- Extra cover lenses enclosed – (2) inside and (5) outside
- Complementary decal sheet to decorate the helmet



VIKING™
WELDING HELMETS



Processes

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

Order

- K3282-1-CE Viking™ Helmet 1740 Black



Linc Screen II

Light and Smart

The Auto-darkening Linc Screen® II helmet is designed to combine safety with a variety of features ideal for Stick, TIG, MIG welding as well as plasma cutting.

A large control located on the exterior of the helmet allows easy adjustment of the shade from 9 to 13 DIN. Equipped with two independent arc sensors.

Solar cells – do not require batteries. Ideal for general purpose applications.

Features

- 1/2 optical class [EN379]
- Continuously variable 9-13 shade with external control
- 97 x 44 mm view size
- 2 arc sensors
- Solar powered-with battery assist, no On/Off switch
- Lightweight - 496 g
- User-Friendly Design



Linc Screen



Processes

- Stick
- TIG > 10A
- MIG
- Flux-Cored
- Gouging

Order

- K2953-1-CE Linc Screen II

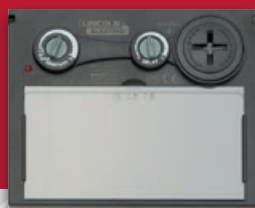


See clearly NOW

4C™
LENS TECHNOLOGY



	Linc Screen II	1740 Series	1840 Series	2450 Series	3350 Series
Lens Switching Speed (sec)	1/10,000	1/25,000	1/25,000	1/25,000	1/25,000
Variable Shade/Control	9-13 External	9-13 Internal	9-13 External	5-13 Internal	5-13 Internal
Magnifying "Cheater" Capable Lens	-	Yes	Yes	Yes	Yes
Grind Mode Shade/Control	-	DIN4/Internal	DIN4/External	DIN3.5/Internal	DIN3.5/Internal
Light Sensitivity Control	-	Continuous	Continuous	Continuous	Continuous
Delay Control Dark to Light (sec)	0,70 Fixed	0.1+1 Fully Adjustable	0.1+1 Fully Adjustable	0.1+1 Fully Adjustable	0.1+1 Fully Adjustable
Arc Sensors	2	2	2	4	4
TIG Amp Rating	> 10A AC/DC	> 5A AC/DC	≥ 2A AC/DC	≥ 2 AC/DC	≥ 2A AC/DC
Cartridge Size (mm)	110x90	110x90	110x90	114x133	114x133
View Size (mm)	97x44	96 x 42.5	96x47	97x62	95x85
Temperature Range	Operating: -5°C ÷ 55°C Storage: -20°C - +70°C	Operating: -10°C - +55°C Storage: -20°C - +70°C	Operating: -10°C - +55°C Storage: -20°C - +70°C	Operating: -10°C - +55°C Storage: -20°C - +70°C	Operating: -10°C - +55°C Storage: -20°C - +70°C
Weight (g)	496	528	532	595	595
Optical Clarity	1/2/1/2	1/1/1/2	1/1/1/1	1/1/1/1	1/1/1/1
Head Gear	Standard LS	Standard Viking	Pivot	Pivot	Pivot
Battery Type	Solar cells no battery required	2AAA Alkaline	1 CR 2450 Battery	2 CR 2450 Batteries	1 CR 2450 Battery
					
	Linc Screen II K2953-1-CE	Black K3282-1-CE	Black K3023-3-CE	Black K3028-3-CE	Black K3034-3-CE
					
			Tribal K3024-3-CE	Street Rod® K3035-3-CE	Motorhead® K3100-3-CE
					
					Mojo® K3101-3-CE



Normal
96 x 47 mm



Bigger
97 x 62 mm



Biggest
95 x 85 mm

VIEW SIZE

Replacement parts

Part Number	Description	Dimensions	Qty/pk	Linc Screen II	1740 Series	1840 Series	2450 Series	3350 Series
KP3046-100	CHEATER LENS 1.00 MAG	51 x 108 mm FRAME, 1.0 MAG	1		●	●	●	●
KP3046-125	CHEATER LENS 1.25 MAG	51 x 108 mm FRAME, 1.25 MAG	1		●	●	●	●
KP3046-150	CHEATER LENS 1.50 MAG	51 x 108 mm FRAME, 1.5 MAG	1		●	●	●	●
KP3046-175	CHEATER LENS 1.75 MAG	51 x 108 mm FRAME, 1.75 MAG	1		●	●	●	●
KP3046-200	CHEATER LENS 2.00 MAG	51 x 108 mm FRAME, 2.0 MAG	1		●	●	●	●
KP3046-225	CHEATER LENS 2.25 MAG	51 x 108 mm FRAME, 2.25 MAG	1		●	●	●	●
KP3046-250	CHEATER LENS 2.50 MAG	51 x 108 mm FRAME, 2.5 MAG	1		●	●	●	●
KP3043-1	1740 1840 OUTSIDE CLEAR COVER LENS	114 x 100 x 1.5 mm	5		●	●		
KP3283-1	1740 INSIDE CLEAR LENS	95.9 x 47.2 x 1.0 mm	5		●			
KP2897-1	1840 INSIDE CLEAR COVER LENS	96 x 51.6 x 1.0 mm	5			●		
KP2898-1	2450 3350 OUTSIDE CLEAR COVER LENS	114 x 133 x 1.0 mm	5				●	●
KP2931-1	2450 INSIDE CLEAR COVER LENS	98.5 x 66.5 x 1.0 mm	5				●	
KP3044-1	3350 INSIDE CLEAR COVER LENS	94.7 x 89.7 x 1.0 mm	5					●
KP3323-1-CE	LS2 COVER LENS REPLACEMENT KIT (2 OUTSIDE 2 INSIDE)	N/A	2 + 2	●				
KP2930-1	SWEATBAND	N/A	2		●	●	●	●
KP3324-1-SB	SWEATBAND	N/A	1	●				
KP3284-1	1740 ADF CARTRIDGE	DINS 110 X 90 mm	1		●			
KP2853-3	1840 ADF CARTRIDGE	DINS 110 X 90 mm	1			●		
KP2932-3	2450 ADF CARTRIDGE	114 X 133mm	1				●	
KP3045-3	3350 ADF CARTRIDGE	114 X 133mm	1					●
S27978-55	ADF HOLDER	N/A	1		●	●		
S27978-33	ADF HOLDER	N/A	1				●	●
S27978-54	BLACK REPLACEMENT SHELL	N/A	1			●		
KP3282-SH	BLACK REPLACEMENT SHELL	N/A	1		●			
S27978-31	BLACK REPLACEMENT SHELL	N/A	1				●	●
KP3324-1-CE	HEADGEAR REPLACEMENT	N/A	1	●				
KP2929-1	HEADGEAR REPLACEMENT	N/A	1		●			
KP3908-1	HEADGEAR REPLACEMENT (PIVOT TYPE)	N/A	1		●	●	●	●
S27978-58	OUTSIDE COVER LENS SEAL	N/A	1		●	●		
S27978-32	OUTSIDE COVER LENS SEAL	N/A	1				●	●