



WELDING HELMETS

see clearly now

LINCOLN[®]
ELECTRIC
THE WELDING EXPERTS[®]

www.lincolnelectric.au
Proline Welding Supplies
0800 699 353 | sales@prolinewelding.com
www.weldingsupplies.co.nz

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 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 3350 series with 4C™ technology allows the view screens on these helmets to reach a 1-1-1-1 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 1/1/1/1 Optical Clarity



NEW 4C™ 1/1/1/1 Clarity

4C™ Technology

1. Clarity – Optical clarity 1/1/1/1
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

- 4C™ Technology
- 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



4C™
lens technology

Processes

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

Order

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

Viking™ – 3350 Shadow

The Ideal Choice for the Journeyman Fabricator

The VIKING 3350 Shadow helmet provides the best optical clarity available with DIN 1/1/1 rating, 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
- 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



Processes

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

Order

- K32077-1 Viking™ Shadow

Viking™ – 1840 Series

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

There's no shortage of features on our 1840 series helmet. 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
- 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

- K2812-1 Viking™ Tribal
- K32068-1 Viking™ Red Splat

POWERCRAFT®

Light and Smart

The Auto-darkening Powercraft® helmets are 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

- 1/2/1/2 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 - 440 g
- User-Friendly Design



POWERCRAFT®

Processes

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

Order

- 94006940 SnakeCharmer
- 94006942 Carbon
- 94006943 Black
- 94006944 Titan

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4C™ LENS TECHNOLOGY



	POWERCRAFT	1840 Series	3350 Shadow	3350 Series
Lens Switching Speed (sec)	1/25,000	1/25,000	1/25,000	1/25,000
Variable Shade/Control	9-13 External	9-13 External	5-13 Internal	5-13 Internal
Magnifying "Cheater" Capable Lens	-	Yes	Yes	Yes
Grind Mode Shade/Control	-	DIN4/External	DIN3.5/Internal	DIN3.5/Internal
Light Sensitivity Control	-	Continuous	Continuous	Continuous
Delay Control Dark to Light (sec)	Adjustable	0.1+1 Fully Adjustable	0.1+1 Fully Adjustable	0.1+1 Fully Adjustable
Arc Sensors	2	2	4	4
TIG Amp Rating	> 10A AC/DC	> 5A AC/DC	≥ 2 AC/DC	≥ 2A AC/DC
Cartridge Size (mm)	110x90	110x90	114x133	114x133
View Size (mm)	98x44	96 x 47	95x85	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
Weight (g)	440	510	595	595
Optical Clarity	1/2/1/2	1/1/1/2	1/1/1/1	1/1/1/1 4C™ Technology
Head Gear	Standard	Standard Viking	Pivot	Pivot
Battery Type	Solar cells no battery required	Solar cells no battery required	1 CR 2450 Batteries	1 CR 2450 Battery
				
	Powercraft 94006943	Red Splat K32068-1	Shadow K32077-1	Black K3034-3
				
	SnakeCharmer 94006940	Tribal K2812-1	Motorhead® K3100-3	
				
	Carbon 94006942	Titan 94006944	Mojo® K3101-3	



Normal
96 x 47 mm



Biggest
95 x 85 mm

VIEW SIZE

Replacement parts

Part Number	Description	Qty/pk	POWERCRAFT	1840 Series	3350 Shadow	3350 Series	
KP3046-100	CHEATER LENS 1.00 MAG	1		•	•	•	
KP3046-125	CHEATER LENS 1.25 MAG	1		•	•	•	
KP3046-150	CHEATER LENS 1.50 MAG	1		•	•	•	
KP3046-175	CHEATER LENS 1.75 MAG	1		•	•	•	
KP3046-200	CHEATER LENS 2.00 MAG	1		•	•	•	
KP3046-225	CHEATER LENS 2.25 MAG	1		•	•	•	
KP3046-250	CHEATER LENS 2.50 MAG	1		•	•	•	
KP2913-1	1840 OUTSIDE CLEAR COVER LENS	5		•			
94006943-8	INSIDE CLEAR LENS	5	•				
KP2897-1	1840 INSIDE CLEAR COVER LENS	5		•			
KP2898-1	3350 OUTSIDE CLEAR COVER LENS	5			•	•	
94006943-1	OUTSIDE CLEAR COVER LENS	5	•				
KP3044-1	3350 INSIDE CLEAR COVER LENS	5				•	
KP2930-1	SWEATBAND	2		•	•	•	
94006943-5	SWEATBAND	1	•				
94006943-7	ADF CARTRIDGE	1	•				
KP2853-1	1840 ADF CARTRIDGE	1		•			
KP2932-3	2450 ADF CARTRIDGE	1			•		
KP3045-3	3350 ADF CARTRIDGE 4C	1				•	
S27978-55	ADF HOLDER	1		•			
S27978-33	ADF HOLDER	1			•	•	
S27978-54	BLACK REPLACEMENT SHELL	1		•			
94006943-6	BLACK REPLACEMENT SHELL	1	•				
S27978-31	BLACK REPLACEMENT SHELL	1			•	•	
94006943-4	HEADGEAR REPLACEMENT	1	•				
KP2851-1	HEADGEAR REPLACEMENT	1					
KP3908-1	HEADGEAR REPLACEMENT (PIVOT TYPE)	1			•	•	
S27978-58	OUTSIDE COVER LENS SEAL	1		•			
S27978-32	OUTSIDE COVER LENS SEAL	1			•	•	
KP3047-1	HARD HAT ADAPTER	1			•	•	