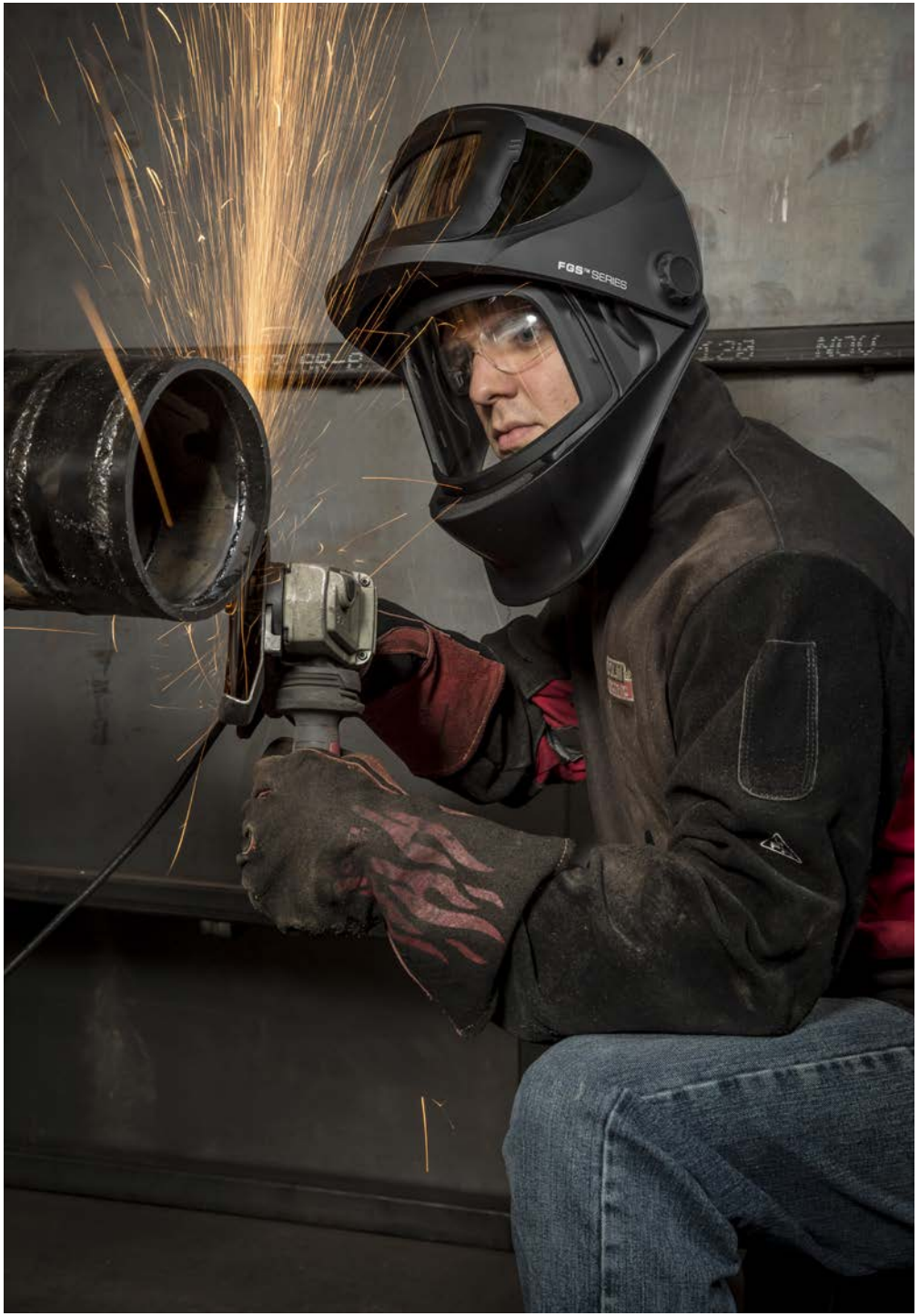
VIKING® 3250D FGS™ SERIES WELDING HELMET

WITH INTEGRATED **F**LIP-UP **G**RIND **S**HIELD

LINCOLN ELECTRIC



THE SINGLE HELMET SOLUTION

In any fabrication environment, productivity, safety and optic clarity are important. The **VIKING® 3250D FGS™** from Lincoln Electric provides enhancements to each of these elements when compared to a standard welding helmet. Designed for the professional welder, the 3250D FGS significantly increases the operators' field of view with the integration of a clear face shield and side windows. These features can reduce the amount of time needed to conduct material setup, inspection and weld operations. The increased FOV also can make general movements less hazardous and eliminates the need for removing the helmet to conduct various required tasks. This is coupled with an industry leading optic design, 4C® Lens Technology, which maximizes color distinguishment while eliminating blur, distortion and providing a consistent shade at any angle. The 12.5-square-inch auto-darkening viewing area is the largest for this product type industry wide. This provides a perfectly clear widescreen view of the arc, puddle and base material to maximize quality, productivity and control.

Every professional fabrication task comes with its own set of circumstances and demands, but when it comes to productivity, safety and optic clarity, the 3250D FGS is the only welding helmet you need.

Industry Leading Optics

The VIKING® FGS™ 3250D welding helmet features world class optic technology to improve quality, expand safety and reduce eye strain.

4C® LENS TECHNOLOGY

Lincoln Electric's proprietary liquid crystal display (LCD) enhances the visible color spectrum of the display. Unlike traditional auto-darkening filters, 4C® lens technology broadens the color range & hues which can be seen in both light and dark states. This eliminates imperfections and color saturation to create the clearest view of the base material, arc & puddle, while reducing eye strain.

PERFECT OPTICAL CLARITY

INDUSTRY'S LARGEST VIEWING AREA*

*For Auto-darkening welding helmets with an integrated grind shield

Maximizing Field of View

The VIKING® FGS™ 3250D welding helmet increases field of view in both the open and closed positions. This provides operators with various safety and productivity enhancements.

Open Position

Closed Position

SAFETY

- ANSI Z87.1 compliant grind shield protects operators from various impact hazards
- The 161 Degree field of vision makes material inspection, grinding and general movements less hazardous
- Shade 5 side windows increase peripheral vision in the closed position
- The anti-fog lens coating allows for a more consistently clear view

PRODUCTIVITY

- The integration of a clear grind shield shortens the amount of time needed to begin grinding operations and eliminates the need for a separate face shield
- The expanded field of vision in both positions can reduce setup, inspection and weld time
- The large auto-darkening viewing area enhances operator control

Cheater Lens Capable

- Simple slide-in bracket is mounted on the auto-darkening filter to offer vision assistance
- Compatible with 2 x 4 dimensioned lens

Hard Hat Capable

- Helmet shell design offers clearance for an expanded range of hard hats
- Compatible with slotted & non-slotted hard hats
- Robust connection design

Advanced Headgear

- Easy forward and backward slide adjustments
- Up and down orientation pin
- Vertical position lock
- Variable tightness expands versatility

3250D FGS™ Welding Helmet

KEY FEATURES

1. **4C® Lens Technology** provides an unparalleled view of the arc, puddle and base material while reducing eye strain
2. **Perfect 1/1/1/1 Optical Clarity** eliminates distortion and blurriness while maintaining shade consistency and improving angle performance
3. **12.5 Square Inch Auto-Darkening Display** offers a widescreen process view to broaden field of view and enhance operator control
4. **Shade 5 Side Windows** increases peripheral vision in the closed helmet position
5. **Flame Retardant Head Covering** provides protection from spatter and improves comfort
6. **Large Integrated Grinding Shield** protects operators from impacts while providing a clear viewing area for grinding and material inspection
7. **Anti-Fog Coating** helps maintain a consistently clear view
8. **4 Axis Headgear** provides multi-directional adjustments to evenly distribute weight and improve comfort

Comes with Helmet Bag, Bandana, Side Window Covers and Extra Cover Lenses


FGS™ SERIES
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ACCESSORIES AND REPLACEMENT PARTS

Sales Number	Description	Package Qty.
KP3700-1	FGS 3250D- Outside Cover Lens	5
KP3701-1	FGS 3250D- Inside Cover Lens	2
KP3702-1	FGS 3250D- Clear Anti-Fog Grind Shield	1
KP3703-3	FGS 3250D Series ADF Cartridge	1
KP3704-1	FGS 3250D- Replacement Shell (with inside windows)	1
KP3705-1	FGS 3250D- Side Window Covers	2
KP3706-1	FGS 3250D- Headgear	1
KP3707-1	FGS 3250D- Slotted Hard Hat Adapter	1
KP3708-1	FGS 3250D- Halo Style Hard Hat Adapter	1
KP2930-1	Sweatband	2
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
S32652-10	Outside Cover Lens Holder	1
S32652-3	Grind Shield Lens Holder	1
S32652-5	FGS 3250D- Side Lens	2

PRODUCT SPECIFICATIONS

Product Name	Optical Clarity	Lens Switching Speed (sec)	Variable Shade/ Control	Battery Replacement Type	Magnifying "Cheater" Capable Lens	Grind Mode Shade/ Control	Light Sensitivity Control	Delay Control Dark to Light (sec)	Arc Sensors	TIG Amp Rating	View Area in. (mm)	Temperature Range	Weight oz. (g)	Warranty
3250D FGS Series K3540-3	1/1/1/1	1/25,000	5-13 Internal	2 CR2450 Replaceable Batteries	Yes	4 / Internal	Digital Display Control	0.0 - 1.0 Digital Adjustment	4	DC > 2 Amp AC > 2 Amp	2.95 x 4.25 (75 x 108)	Operating: -10°C - +55°C (14°F - 131°F) Storage: -20°C - +70°C (-4°F - 158°F)	28 (793)	3 Years

VIKING®
WELDING HELMETS

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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.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

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