Workers worldwide depend on Fibre-Metal® PPE quality to help them reduce injuries, increase productivity and improve their quality of work life.

Fibre-Metal® is the acknowledged quality leader of the industry we created in 1905 with our invention of the welding helmet. Over the years we maintained that position through continuous innovation resulting in today’s high performance models.

We also take the lead in providing the services and support you need to implement a comprehensive PPE program. Free consultation, hazard analysis, OSHA compliance review, and wearer training assistance help you receive the maximum return on your PPE investment.

Fibre-Metal® provides protection for every process and application. Each model is designed for a specific application but all have a full compliment of exclusive performance and comfort features to satisfy the needs of today’s high production workers.

Most Fibre-Metal® products are SEI certified. This symbol of quality is earned by meeting the stringent requirements of the Safety Equipment Institute, a private, nonprofit organization that certifies personal protective equipment through independent laboratory testing and manufacturer quality performance.

TAKE ANOTHER LOOK AT THE PPE PROGRAM FIBRE-METAL® OFFERS

See the Difference Quality Makes.

by Honeywell

WARNING: Selection of appropriate models for specific hazards, and communication of all instructions, precautions and limitations to the wearer is the responsibility of user safety specialists who are also responsible to see they are strictly observed. Failure to do so could result in injury.

www.fibre-metal.com

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4178IRUV8 show on F400 (pg. 21)
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TOUGH HELMETS FOR TOUGH JOBS
Specially formulated SuperGlas™ material and rugged construction meets the needs of the most demanding welding environments. Self-extinguishing, smooth helmets deflect sparks and spatter. Reinforced crown, throat and edges resist cracking. All operating parts can be easily and economically replaced to lower service life cost.

Full size, curved bottom design accommodates OSHA required protective spectacles; respirators and hearing protection while blocking smoke and fumes.

EXCEPTIONAL COMFORT
As tough as SuperGlas™ helmets are, they are easy on the welder. Extremely lightweight. Equipped with Fibre-Metal™’s classic 3-C free floating headgear that balances and stabilizes the helmet while providing multiple adjustments for individual fit, feel and a better view of the work. A well protected, comfortable welder stays on the job longer and produces more no matter how tough the job.

THE ORIGINAL PIPELINER™: DESIGNED FOR THE SPECIFIC NEEDS OF PIPE WELDERS
Molded from SuperGlas Plus™, a material formulated for lightweight and strength, Pipeliner™ provides everything pipe welders need in a helmet to be safe and productive under the harshest welding conditions. Impervious to moisture, impact resistant Pipeliners™ will not crack, chip or split. Compact design allows access to areas where there is no room for a standard helmet. Comfortable, functional headgear uses a constant-fit rubber headband for frequent re-adjustments as pipe welders move about their work. Also available with a ratchet headgear for use where space limitations are not as severe.

MODEL 880 WIDE VISION
24 square inches of unobstructed viewing area with Flash Barrier.

MODEL 706
2” x 4¾” Lift Front
Molded-in glassholder, telescoping lid provides a seal against light leak.

Pipeliner™ Style (Color: White)
110P – (With 1-CP rubber headband suspension)
110 – (With 1-CH ratchet headgear)

Pipeliner™ ADF (Color: White)
110PPBM10– (With 1-CP rubber headband suspension)
Pipeliner™ style helmet with High Performance auto darkening shade 10 filter lens
THERMOPLASTIC Welding Helmets

TIGERHOOD™

Classic

PROVIDES A PRODUCTIVITY EDGE

SEE THE DIFFERENCE QUALITY MAKES
Tigerhood™ Classic contains the features that make lightweight thermoplastic welding helmets popular with today's welders. What makes it stand out is its performance and comfort enhancing extras that help welders produce more with fewer injuries.

Molded from Noryl®, job proven superior in welding related performance characteristics, Tigerhood™ Classic is the workhorse of thermoplastic helmets. It maintains its high performance level across a wide spectrum of welding processes and working conditions.

Tigerhood™ Classic has a high welder satisfaction rating because it helps welders do their job better. When welders do their job better – you gain a productivity edge.

EXCLUSIVE AIRFLOW DESIGN
Tigerhood™ Classic’s unique design provides extended throat protection while blocking fumes and smoke from the face. Size and shape allows air to circulate, to help clear any smoke and fumes that seep in.

(If hazardous fumes are present, appropriate respirators must be worn.)

COLORS AND SILVER COATING ALSO AVAILABLE
Molded-in colors eliminate chipping, peeling and fading. Smooth, seamless shell deflects sparks and spatter reducing the risk of burn through. Silver coating exceeds standards for abrasion, adhesion, wear and weathering and deflects heat to lower the temperature for welder comfort. Available in black, gray, and blue. Can be imprinted. All models complete with shade 10 filter lens installed.

EXTRAORDINARY COMFORT
Tigerhood™ Classic sets the standard for comfort. Its exclusive 3C, free floating head-gear with multiple wearing adjustments; and its ability to comfortably accommodate protective spectacles and respirators, improves welders quality of work life. Comfortable welders have less downtime and produce more each working day. Available with shade 10 filter plate installed.

www.fibre-metal.com
TIGERHOOD™ Futura™

THE FUTURE OF WELDING PROTECTION BEGINS WITH TIGERHOOD™ FUTURA™

The Tigerhood™ Futura™ represents the latest in welding helmet technology and performance. An innovative, streamlined design combined with an exceptionally high performance material help welders make more and better welds.


- Streamlined shape designed to work with required spectacles or respirators.
- Classic 3-C free floating headgear balances and stabilizes helmet for maximum productivity.
- Easy-to-use front loading glassholder increases protection, reduces downtime.
- Extremely lightweight for comfort; sturdy and durable for extended service life.
- Stocked in black, blue and silver coating.

THE TIGERHOOD™ FUTURA™ OUT PERFORMS OTHER THERMOPLASTICS

- Greater heat resistance
- Better dimensional stability at elevated temperatures
- Higher melting point
- Higher impact resistance
- Ultra-smooth finish sheds spatter better
- More chemical, scratch, and crack resistant
- Can be imprinted
- Comes with shade 10 filter plate installed
The helmet designs and performance craftsmen welders want: we know because they told us.

Craftsmen welders across the country were asked to help create the next generation welding helmet. The result: new Fibre-Metal® FMX – premium quality welding helmets, with the Xtra features welders want.

Features
- Lifetime warranty on helmet and headgear
- Superior ADF lens with industry-leading 2-year warranty
- Lightest-weight full-size welding helmet available
- Proven “3-C” headgear for all day worker comfort
- Professional, full-wrap, heat and scratch resistant graphics
- Packaging reflecting FMX quality and performance

Superior ADF electronics: the ADF lens features reliable switching, high quality optics, selectable shades 9 – 13 with adjustable sensitivity.

FMX Helmet also available with new ADC technology.

www.fibre-metal.com
Tigerhood™ Futura™ continues to set the standard for performance and innovation with the introduction of models equipped with quality, reliable auto darkening filters that take advantage of advances in ADF technology.

For more than a decade, welders have relied on the quality and reliability of Fibre-Metal® ADF’s to help them make more and better welds at a lower cost and with fewer injuries. The new Futura™ series extends that tradition.

From our 2 x 4 “drop-in” model through our 5 x 4 Selectable Shade model, the technologically advanced ADF’s for our Futura™ helmets provide a performance level and price point for every welding application.

WELDING HELMETS
Lightest full size welding helmet
Contemporary style
Easy-to-use front loading hinged glassholder in 90 x 110 model
Comfortable, free floating headgear
Greater heat resistance
Better dimensional stability at elevated temperatures
Higher melting point
Higher impact resistance
More scratch and crack resistance
Extended service life, lower cost
Unique hinge glass holder

**Highest Quality, Lowest Price, Best Value… Experience The Difference Quality Makes!**
PUT ADF TECHNOLOGY TO WORK
A quality Fibre-Metal® welding helmet with the NEW ADF technology will increase productivity with the added comfort of the ADC (Angular Dependency Compensation) technology. The new ADC ADF allows the welder to work at many different angles without any shade variation in the viewing area. This also improves quality, reduces downtime and rework, and lowers injury and workers compensation costs.

RUGGED, RELIABLE PERFORMANCE
Tigerhood™ High Performance ADF helmets are engineered to provide exceptional performance across the whole spectrum of arc welding processes. Built-in ruggedness and advanced technology ensure that they work the first time and every time all shift long.

PRODUCTIVITY IMPROVEMENT
Because Tigerhood™ High Performance ADF’s reduce downtime, help welders make more and better welds, with less rework, productivity gains from 30% to 50% are common. Available in fixed filter shades or selectable filter shades for use when a welder changes processes or amperages frequently.

EXPERIENCE THE COMFORT
Increased comfort - New ADC (Angular Dependency Compensation) technology allows a welder to work in various positions with no shade variation in the viewing area. This will decrease eye fatigue and allow the welder to perform better welds for a longer period of time.

MODEL FMPBV913DSADC
- Shade 4 (light state) / selectable shades 9-13 (dark state)
- Solar powered - no batteries to change
- Fast, reliable switching speed (15ms)
- Constant UV/IR protection
- Best optical quality in industry
- Can be used in most welding applications including low amp TIG.
- 7 square inches of viewing area
- Adapts standard magnifying lens
- Highest quality extended view ADF available
- User adjustable delay from dark to light (0.2 to 0.8 seconds)
- Contains sensitivity adjustment
- Limited 2 year warranty

www.fibre-metal.com
Fibre-Metal® provides a full selection of filter, safety and cover plates and lenses for our welding helmets and goggles. Our High Performance line includes a top quality plate or lens for virtually every metal fabricating application. All products are produced to the highest standards with rigid quality control to enhance a fabricator’s view of the job for maximum productivity while providing protection in accordance with ANSI-Z87.1 requirements. To get the most from a Fibre-Metal® welding helmet or goggle, equip it with High Performance filter, safety and cover plates or lenses.

**HIGH PERFORMANCE GLASS FILTERS**

**DESCRIPTION**
Precision cut to true size for a better fit. Optically correct with consistent shading throughout the plate or lens for welder protection and comfort.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SIZE</th>
<th>SHADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>P241SH</td>
<td>2&quot; x 4¼&quot;</td>
<td>4-14</td>
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<tr>
<td>P451SH</td>
<td>4½&quot; x 5¼&quot;</td>
<td>4-14</td>
</tr>
<tr>
<td>L501SH</td>
<td>50mm (pr.)</td>
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</tbody>
</table>

**HIGH PERFORMANCE POLYCARBONATE FILTERS**

**DESCRIPTION**
About 1/3 the weight of a comparable glass filter, and many times more impact resistant, polycarbonate filters are the choice of high production welders.

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<th>MODEL</th>
<th>SIZE</th>
<th>SHADE</th>
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<tbody>
<tr>
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<td>5-6, 9-12</td>
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<tr>
<td>P457SH</td>
<td>4½&quot; x 5¼&quot;</td>
<td>8-12</td>
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<tr>
<td>L507SH</td>
<td>50mm (pr.)</td>
<td>5</td>
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</table>

**HIGH PERFORMANCE GOLD PLATED FILTERS**

**DESCRIPTION**
All the advantages of a polycarbonate filter, with the benefit of a gold coating which reflects up to 99% of infrared light, reducing temperature inside the helmet. A cooler more comfortable welder will stay on the job longer and produce more.

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<tr>
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<th>SIZE</th>
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<tr>
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<tr>
<td>P458SH</td>
<td>4½&quot; x 5¼&quot;</td>
<td>8-12</td>
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**HIGH PERFORMANCE POLYCARBONATE SAFETY PLATE**

**DESCRIPTION**
Injection molded, optically correct, lightweight, impact resistant polycarbonate plate provides an extra margin of protection.

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<th>MODEL</th>
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<tbody>
<tr>
<td>CL242</td>
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<tr>
<td>CL452</td>
<td>4½&quot; x 5¼&quot;</td>
</tr>
<tr>
<td>CL502</td>
<td>50mm (pr.)</td>
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</tbody>
</table>

**HIGH PERFORMANCE CR.39 COVERS**

**DESCRIPTION**
Top quality cover plates contain a higher percentage of CR.39 material than any other brand including those that claim to be “100% CR.39.” Higher quality provides better protection and a longer service life for expensive filter plates.

<table>
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<tr>
<td>P242</td>
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<td>P452</td>
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</tr>
<tr>
<td>L502</td>
<td>50mm (pr.)</td>
</tr>
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</table>

**HIGH PERFORMANCE POLYCARBONATE WELDING MAGNIFIERS (CHEATERS)**

**DESCRIPTION**
Injection-molded in one piece from a special optical grade polycarbonate, reduces eye fatigue and irritation because it is optically correct. It is the only magnifier on the market designed for an optimum 12" working distance from the weld instead of the usual 6" distance. Silicone hardcoating protects the surface from scratches and scuffs.

<table>
<thead>
<tr>
<th>MODEL</th>
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<tbody>
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<td>2&quot; x 4¼&quot;</td>
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<tr>
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<td>3652.5</td>
<td>2&quot; x 4¼&quot;</td>
<td>2.50</td>
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</table>
LEATHER WELDING HOODS
Top Quality, tough, flexible chrome leather hoods for use in hard to get to areas where there is no room for standard helmets. Lift-front glassholder. Screened ventilation ports.

INSPECTORS’ HANDSHIELDS
Folding shields offer convenience and protection for inspectors, engineers, foremen and others who observe arc welding for short periods of time. Formed from quality leather. Folds to fit in pocket.

Deeply offset, pliable headband fits head contours comfortably. Overhead band with multiple adjustments helps position the glassholder for the best view of the weld and a comfortable working position. Exclusive “free-floating” arms balance and stabilize the helmet while minimizing pressure points. Strip-proof ratchet head size adjustment provides small increment sizing. Model 3C performs well in hot or cold; is unaffected by age; does not crack or break. In models where free-floating arms are impractical, unique mounting brackets are used.

Traditional, black quilted, flame retardant, short visor model plus exclusive four-panel design to cover more head and hair area. Four panel models can be pulled down to help protect the ears when necessary. Unique SuperCool™ water-activated cooling cap provides relief from the heat when soaked in water. Rugged UltraWarm™ winter cap is lined with soft pile for warmth and comfort, when the temperature drops.

Your choice of soft terry cloth (FM44TV); shearing wool (FM66); soft-grain leather (FM67); soft, absorbent cotton cushioned with Velcro® closure (FM68). Circulating air evaporates sweatband moisture for cooling effect.

EXTENDED OR SHORT TERM PROTECTION

CUSTOM-FIT REPLACEMENT HEADGEAR

UNDER HELMET WELDERS CAPS

COMFORT ENHANCING SWEAT BANDS
Model 5000 Speedy-Loop™ provides easy on/off welding helmet mounting on protective caps. Fully adjustable to better fit Fibre-Metal® caps and major competitive brands. Model 4000 Quick-Lok™ provides more permanent mounting for longer term or high activity applications. Model 6000 Quick-Lok™ mounting blades for quick and easy mounting of Fibre-Metal® welding helmets on protective caps with mounting slots.

Blades pivot for easy measuring of eleven most specific fillet dimensions. Measures concave or convex seams. Stainless steel blades, etched increments. \( \frac{1}{8} \)" thru 1" and metric equivalents. Fits in 4½" x 2" case. Carry in pocket. Also available in Metric measurements only (model WFGM).

Universal design coupled with high performance insulator material and reliable brass, cam-locking connectors result in a solid electrical contact, the ability to withstand weathering and a snug fit to seal out dirt and to protect against electrical shock.
Most of Fibre-Metal®'s welding helmets, faceshields, protective masks and welding goggles can be combined with protective headwear by utilizing any one of our three combination systems to provide the exact degree of protection and comfort required.

**5000 ADJUSTABLE SPEEDY™ MOUNTING LOOP SYSTEM** for frequent on/off use with protective caps. Welding helmets, faceshields, goggles, etc. may be mounted while the cap is on the head. No tools or modified caps required. (Does not affect ANSI rating.)

**4000 QUICK-LOK™ SYSTEM** for secure, long-term combination use. (4002) Quick-Lok™ mounting blocks are screwed onto the protective cap. Welding helmets, faceshields, goggles, etc. are equipped with (4001) Quick-Lok™ cups which can be securely mounted onto and removed from the cap - without tools.

**6000 SLOTTED BLADE SYSTEM** for use with most popular brands of slotted caps. Fibre-Metal® protective wear that is equipped with our (4001) Quick-Lok™ mounting cups, can be mounted on slotted caps by simply adding our 6000 Slotted Cap Blades.

**CAP PEAK MOUNTED FACESHIELDS**

FM70 fully dielectric-mounting bracket provides a positive seal to keep debris from filtering between cap and shield. The shield may be pivoted above the cap between uses without removing the cap. Designed to fit on the front peak of our E2 and P2 caps.

FM71 mounting bracket offers the same features as the FM70, but is designed for our full brim protective hats (E1 series).

FM66 aluminum mounting bracket offers the same design and features as the FM70, but manufactured from extruded aluminum. Lightweight dual-channel bracket is designed to fit on the front peak of our E2 and P2 caps.

**HIGH PERFORMANCE PROTECTIVE MASK**

Radiant or blasts of heat are reduced without loss of ventilation or vision by stainless steel screen. Screen mounts to a lightweight fiberglass shell at eight points. Also available with .060 acetate window (622CL).
SUPEREIGHT™ SWINGSTRAP™ SERIES

SUPEREIGHT™ SWINGSTRAP™
Fibre-Metal® SuperEight™ SwingStrap™ hats and caps are the most sophisticated head protection system available.

They are the only hats and caps that combine the exceptional comfort of a 360° padded sweatband with the head hugging stability and easy adjustment of a ratchet headband.

The exclusive smooth crown design contains a technically advanced suspension with eight load bearing points to stabilize and balance the hat or cap during everyday wear. On impact the SuperEight™ Impact Energy Control System dissipates force by reducing it to smaller increments and spreading it over a greater area.

When a welding helmet, faceshield or goggle are mounted on SuperEight™ SwingStrap™ caps, workers can convert their cap from the normal wearing position (and back) with the patented SwingStrap™ without having to remove, reverse and reinstall the suspension headband. All Fibre-Metal® SuperEight™ Thermoplastic protective hats and caps are SEI certified to ANSI Z89 in both the forward and reverse positions.

All Fibre-Metal® SuperEight™ protective hats and caps contain the same protective performance and comfort package as the SwingStrap™ series.

SE2 MULTI-DIRECTIONAL PROTECTION
Provides a dual impact energy control system that senses the point of impact and activates the appropriate force attenuation system. A blow to the crown activates the SuperEight™ crown impact system. A blow to the sides, front or rear of the cap activates the patented attenuator band which provides protection for the periphery of the cap. Meets ANSI Z89.1 Type II standard.

ADVANCED TECHNOLOGY IMPRINTING
SuperEight™ thermoplastic protective hats and caps can be imprinted with your company logo, safety slogan, etc. using the latest pad printing technology. Large print areas in four locations on the cap; multi-color imprinting; low minimum order quantities and the best delivery in the industry, provide an opportunity to use your hat or cap as an effective communication device.
Workers can enjoy the protection and comfort of Fibre-Metal® SuperEight™ head protection with the added protection of super high visibility.

SuperEight™ E2 series hats and caps are available in unique, specially formulated fade-proof Strong Orange and Strong Yellow/Green models that will not fade throughout their service life.

An extra margin of protection can be added with high quality reflective tape. Our standard full circumference tape pattern leaves room for a front imprint. Other patterns are available.

The high visibility tape is specially selected to provide visibility throughout the various light conditions of a workday. Full circumference 21” tape strips and smaller 4” strips are available in kits of 12 for easy field installation.

SEE THE DIFFERENCE QUALITY MAKES

- Unique smooth crown design
- Technically advanced eight point impact energy control system
- Multiple position adjustable headband
- Choice of 360 degree padded, perforated sweat band; ratchet headband, or exclusive SwingStrap™ reversible ratchet headband
- SEI certified to meet ANSI standard in both peak forward and reverse wearing positions
- Comes fully assembled
Full graphic design protective hats and caps raise head protection aesthetics to a new level. The full graphic process, developed and perfected by Fibre-Metal®, produces complex, colorful designs that won’t chip, fade nor peel. The unique Fibre-Metal® full graphic process applied to top quality, high performance Fibre-Metal® SuperEight™ hats and caps results in a head protection product unavailable anywhere else at any price.

Special edition designs can be produced to your specifications or design.

- Exclusive overlay designs; heat and scratch resistant
- Smooth thermoplastic crown deflects impacting objects
- Exclusive eight-point suspension disperses impact energy
- Adjustable non-slip/non-strip ratchet headgear for ultimate comfort and fit
- Lifetime limited warranty on shell and headgear

NEW FMX HARD HATS AND FACESHIELDS

**Spirit of America Full Graphic**
**Canada Full Graphic**
**Texas Full Graphic**
**Puerto Rico Full Graphic**
**Mexico Full Graphic**

**FMX Demon**
**FMX Wire Burner**
**FMX Flame**

**FMX Wire Burner**
**FMX Spirit of America**
**FMX Flame**
ADVANCED TECHNOLOGY IMPRINTING
Fibre-Metal® head protection, welding helmets and faceshields can be imprinted with company logo’s, safety slogans, union identification, etc. using the latest pad printing technology. You get:

- Large print areas
- Multiple print locations
- Multi-color imprinting
- Low minimum order quantities
- Fastest delivery time

Providing camera ready art speeds up the process but whatever you have can be produced with our professional art service. A wide range of ink colors are available. Special PMS (Pantone Matching System) colors can be used to match your company colors.

High visibility tape can also be added for an extra margin of protection.

SEE THE DIFFERENCE QUALITY MAKES

- Unique smooth crown design
- Technically advanced eight point impact energy control system
- Multiple position adjustable headband
- Choice of 360 degree padded, perforated sweat band; ratchet headband, or exclusive SwingStrap™ reversible ratchet headband
- SEI certified to meet ANSI standard in both peak forward and reverse wearing positions
- Comes fully assembled
SuperEight™ Roughneck™ hard hats are the industry standard. And now, after years of research and testing, we’ve made them even better. Here’s why:

- New P2N’s proprietary injection-molded fiberglass compound is 37% stronger than before – and eight times stronger than common high density polyethylene (HDPE) cap shells.
- For added assurance of performance, all Roughneck™ caps are factory assembled and SEI ANSI Type I, Class G (including quick lock model) and CSA approved Type 1 class G or C (Class C for Quick-Lok™ model) in both forward and reverse orientation.
- They meet ANSI-Z89.1-2003 impact resistance tests at extreme temperatures: up to 325°F (P2N) and up to 500°F (P2HN).
- Injection-molded solid color resin for a permanent, no-chip, no-peel finish. You can choose from nine popular colors.
- Available with Fibre-Metal™’s famous non-slip/non-strip ratchet, SwingStrap™ or Tab-Lok™ headgear.
- Ready to use with the industry’s most versatile Quick-Lok™ or Speedy-Loop™ faceshield or welding helmet attachment system.

**SUPEREIGHT™ SUSPENSION & IMPACT ENERGY CONTROL SYSTEMS**

SuperEight™ suspensions eight load bearing points balance and stabilize the caps weight and spreads it over the widest possible area for maximum comfort. When impacted, the suspension becomes an Impact Energy Control System that reduces force by breaking it down into smaller increments for each load bearing point to handle while spreading it over as large an area as possible. SuperEight™’s smooth crown shells and eight-point Impact Energy Control System interact with precision unattainable in ordinary caps to provide exceptional performance.

For secure, long-term combination use. (4002) Quick-Lok™ mounting blocks are screwed onto the protective cap. Welding helmets, face shields, goggles, etc. are equipped with (4001) Quick-Lok™ cups which can be securely mounted onto and removed from the cap – without tools.

**Take a closer look.**

- Smooth, matte finish yields crisper, long-lasting logo imprints and differentiates Roughneck™ from common HDPE shells
- Eight load-bearing points balance weight and impact energy over wide area for added comfort and safety
- Protection up to 325°F (P2N) or 500°F (P2HN)
- Injection-molded solid color resin for permanent no-chip, no-peel finish
- Choice of three high-performance headgear options: non-slip/non-strip ratchet, SwingStrap™ or Tab-Lok™

Quick-Lok™ mounting block on hard hat exterior (left) and Quick-Lok™ mounting cup on welding helmet interior (right).
CHOICE OF THREE SUSPENSION HEADBANDS
Select the industry’s only 360° padded sweatband; the first and still the best strip-proof, crack-proof ratchet headband; or patented SwingStrap™ that combines the benefits of both with the added ability to convert from the front wearing position to the rear wearing position (and back) without having to reverse the suspension or headband.

CHOICE OF REPLACEMENT SWEATBANDS
Unlike ordinary caps, SuperEight™ sweatbands can be easily removed and cleaned, or replaced. Your choice of soft cotton jersey (FM69); terry cloth (FM44RTV) or 360° vinyl wrapped foam sweatband (S2FV).

COMFORT, STYLE AND PROTECTION
Fibre-Metal® Homerun™ brand caps combine the attractive style and comfort of a quality baseball cap with the protection of a thermoplastic inner liner to create a bump cap that protects from minor lacerations, abrasions and bruises.

Homerun™ caps are perfect headwear for people who work in areas where they are liable to bump their heads on stationary objects present in their workplace. (They do not provide protection from falling objects. ANSI certified Fibre-Metal® SuperEight™ protective caps must be used for that purpose.)

Available in navy blue, black, red, and khaki colors.

Cool, lightweight, stylish protection from bumps, bruises and lacerations
- Lightweight, sturdy 100% brushed cotton
- Distinctive American style baseball cap design
- Cooling ventilation eyelets permit air circulation
- Hygienic, easy to clean
- Unique high strength-to-weight protective liner
- Inner surface soft foam comfort pad
- Adjustable back strap fits most head sizes
- Available in a wide range of colors
- Colorful high quality logo embroidery
- Meets CE bump cap standard EN 812/AI
- Lowest cost, best value of any brand
- Replacement Inner Shell - SBCIS07
HIGH PERFORMANCE Faceshields

**TOP QUALITY PROTECTION FOR VIRTUALLY EVERY JOBSITE FACE HAZARD**

High Performance faceshields as designated are SEI certified to comply with current ANSI standards. SEI certification is your assurance of consistent quality and performance.

- Inquire about FMX full graphic faceshield headgears

**FACESHIELD WINDOWS**

- **Standard Size**
  - 4118
  - Available in Clear and Dark Green
  - Fits F300 Series

- **Wide Vision**
  - 4178
  - Also available in S178 Steel Screen, Dark Green and True Color Gray
  - Fits F400, F500 Series, FH66, FM70 and F71 series.

- **Extended View**
  - 4199
  - Also available in 4199 IR/UV3, IR/UV5, and Dark Green
  - Fits F400 and F500 Series, and FH66.

**Fibre-Metal** faceshield windows are injection molded from propionate, which is superior to other window materials in every significant performance characteristic. They are preformed at the factory to the exact curve of our crown protectors for easy installation, an exact fit and a perfect seal against dust, dirt and debris. All High Performance windows are .060" thick for an extra margin of protection, yet they cost no more than ordinary .040" thick windows. Available in three sizes, in clear, special tints, shades 3, 5 and 8 (4178 only). High Performance windows provide a degree of protection and a price point for every application and budget. All windows meet ANSI Z87.1+ standard for eye and face protection and CSA Z94.3.

**COMFORT ENHANCING SWEAT BANDS**

Your choice of soft terry cloth (FM44TV); shearing wool (FM66); soft-grain leather (FM67); or soft, absorbent cotton (FM68). Circulating air evaporates sweatband moisture for cooling effect.

Made from Noryl®, the same material used in our welding helmets, High Performance faceshields are stronger, more durable and more heat resistant than ordinary faceshields.

They contain our exclusive Channel Grip System, which mounts windows and locks them in place in a deep recessed channel to form a perfect seal from dust, dirt and debris.

**F300**: Exceptionally lightweight and comfortable. Fits easily over today’s spectacles with space for air circulation to prevent fogging. Accommodates a full selection of standard size (8" x 11½") windows.

**F400**: Deeper 4" crown protector extends protection without increasing weight. Incorporates wide-vision (8" x 17") wraparound windows and screens which provide 40% more protective area than standard size faceshields. Fits easily over required spectacles or respirators. Available with choice of 3-C Headgear or three protective cap mounting mechanisms.

**F500**: Broader, deeper 7" crown protector and wide wraparound window provides an extra margin of protection when harsh working conditions require it. Available with choice of 3-C Headgear or three protective cap mounting mechanisms.
Designed and engineered for Plasma arc cutting

Fibre-Metal® High Performance Face-shields provide a wide range of protection for oxy-acetylene welding, cutting, plasma arc cutting and brazing.

Plasma Arc rays produce intense bright, ultraviolet and infrared rays that can burn eyes. Always wear eye and face protection to shield from the arc’s rays.

Injection molded, Fibre-Metal® 4178IrUV8 window provides the best protection available for Plasma Cutting. Our Shade 8 Plasma Cutting Window is engineered using the original and best radiation absorber for consistent protection throughout the window.

The American Welding Society (AWS) recommends the following shades for Plasma cutting:

<table>
<thead>
<tr>
<th>Current</th>
<th>Shade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 100 amps</td>
<td>Shade 8</td>
</tr>
<tr>
<td>100-200 amps</td>
<td>Shade 10</td>
</tr>
<tr>
<td>200-400 amps</td>
<td>Shade 12</td>
</tr>
<tr>
<td>Over 400 amps</td>
<td>Shade 14</td>
</tr>
</tbody>
</table>

The 4178IrUV8 Plasma Cutting Window fits the following Fibre-Metal® headgears and brackets:

- F400 series
- F500 series
- FH66 aluminum cap bracket
- FM70 dielectric cap bracket
- FM71 dielectric full brim hat bracket

### Features

| Injection molded from high grade propionate | Job proven in every performance characteristic related to cutting |
| Size is 8” x 16½” | Most popular size window protects maximum face area without affecting movement |
| Preformed at factory to exact curve of Fibre-Metal® deflectors | Makes installation easy and quick to minimize downtime. Forms positive seal with the deflector to eliminate sparks, dust, or debris |
| Contains IREX IR/UV absorber | Absorptive protection is engineered into the window, not surface coated, so the window will not lose its protective qualities. IREX provides consistent shading throughout the window. |
| Lightweight | High strength to weight ratio. Lightweight reduces fatigue, stress, and strain on neck muscles. Improved productivity |
MODEL F400DC DUAL CROWN
Provides extended, wraparound protection for tough working conditions. Broader deeper, 4" crown and chin protectors provide an extra margin of protection when harsh conditions require it. Made from Noryl®, the same material used in our welding helmets, model F400DC series protective masks are stronger, more durable and more heat resistant than ordinary faceshields. Also available with Speedy-Loop™, Quick-Lok™, and Quick-Lok™ Slot Blade mounting devices for protective caps.

MODEL FM70DC CAP MOUNT DUAL CROWN
Combines rugged, lightweight, fully dielectric, dual channel thermoplastic cap mounting bracket with broad, deep, 4" Noryl® under chin protector. Bracket mounts on the peak of the cap so that the cap need not be worn in the reverse position. One channel is anchored by a heavy-duty rubber band. The other holds the window and locks into the work position with a unique snap-lok for a positive seal from dust, dirt and debris. Also available with model FM71 mounting bracket for full brim protective hats.

WINDOWS FOR EVERY APPLICATION
There is a top quality injection molded, preformed extended wraparound .060 thick propionate window for every application. High Performance windows are lightweight, dimensionally stable, distortion free, impact and scratch resistant:
- Crystal clear for general purpose
- IREX shade 5 for oxy-fuel welding and cutting
- True-View gray for outdoors. Allows wearer to see in natural colors.
- True-View medium gray for arc flash
- True-View light gray for indoor glare
- Gold plated for high resistant heat applications

All models meet ANSI-Z87.1+2003

Caution: Approved, appropriate protective spectacles must be worn at all times under protective masks. Failure to do so could result in eye injuries. Do not use any protective mask model for electric arc welding.

High Performance, Heavy Duty Full Face Protection
- Full face and neck protection
- Broader, deeper 4" crown and chin protectors
- Crown and chin protectors molded from Noryl® (same material as Tigerhood™ welding helmets)
- Available with new clear chin guard for increased worker field of vision.
- Available with choice of 3 protective cap mounts plus dual channel cap peak mounting bracket
- High Performance injection molded, preformed propionate windows for every application
- Meets ANSI-Z87.1+2003 standard
PROTECTIVE Eyewear

SOLOGOGGLE™ Rigid Frame Welding Goggles

MODEL F555
With adjustable Speedy™ Mounting Loop.

MODEL F555
With ratchet-adjustable headband.

MODEL F4055
With Quick-Loks™ (also available with Slotted Cap Blade System (F6055))

FLEXIBLE/RIGID FRAME Welding Goggles

MODEL VG200SH5
Flexible frame 2” x 4½” lift-front cover goggle with hooded vents.

MODEL VG600SH5
Reinforced flexible frame 2” x 4½” cover goggles with hooded vents.

MODEL VG800SH5
Reinforced flexible frame, 50 mm lift-front goggle with vents.

MODEL VGSH5
Adjustable fit rigid frame, 50 mm cup goggle with baffled vents.

Fibre-Metal® offers a wide variety of flexible or rigid frame gas welding and cutting goggles. The plastic frames hug facial contour for an extremely comfortable fit. Ventilated for effective cooling and evaporation. Equipped with durable elastic headbands. Shade #5 filter and clear cover plate included.

HEARING Protection

MODEL 2030
Compact, lightweight muffs weigh just 5 ounces. Low profile cups fit comfortably under welding helmets and faceshields. Unique design allows headband to be worn over the head or behind the head when used with protective caps. NRR rating suitable for a wide range of noise hazards.

MODEL 2030

MODEL 2029
Comes with Quick-Slot™ adapter for Fibre-Metal® and other non-slotted caps. No tools are needed to install. Caps’ dielectric rating is not affected.

MODEL 2029
Quick-Slot™ Hearing Protective Muffs. NRR25. Weighs 8 ozs. Cap not included.

www.fibre-metal.com
SUPERCOOL™ HEADBAND & NECKWRAP

Water-activated cooling headband provides relief from heat at three levels. As a sweatband, it absorbs perspiration which cools through evaporation. Soak in water for less than five minutes and it becomes a cooling headband. Can be refrigerated for ultimate cooling. The neckwrap provides cooling at the pulse points in the neck. Cools through natural evaporation. Soak in water for 5 minutes to activate. Can be run through cold tap water to recharge the cooling effect.

TRUE COLOR FACE AND EYE PROTECTION

Faceshield windows and spectacle lenses are molded from a material specifically formulated for work in bright sunlight. They protect from UV and glare while allowing full color recognition for working with color-coded wiring or recognizing traffic signals.
Accidents and occupational illness tend to occur with greater frequency during the hot summer months. Slowed reflexes, lethargy, and short attention spans caused by the effects of heat increase risks and reduce productivity. Limiting exposure, frequent breaks and plenty of fluids coupled with Personal Protective Equipment designed to provide cooling relief improving the quality of work life for employees in hot environments.

SuperCool™ products from Fibre-Metal® are produced from a unique, patented composite material designed to absorb and trap water and use advanced evaporative cooling technology to provide hours of cooling comfort.

SuperCool™ Products:
- Require no slow working gels, beads or crystals
- Take just 3 to 5 minutes soaking to hydrate (products using gels or crystals take 30 minutes)
- Do not become heavy or bulky when hydrated
- Provide hours of cooling relief and can be reactivated with just a quick resoaking
- Provide exclusive 3-in-one comfort
  - When used without soaking, material wicks perspiration away from skin and uses evaporative cooling to cool.
  - Hydrate in water for greater cooling
  - Hydrate and refrigerate for ultimate cooling not available in other brands
- Can be refrigerated or placed in cooler of ice
- Can be washed in cold water and mild detergent

SUPERCOOL™ BANDANA
Stylish, fun and easy to use bandanas wicking action keeps perspiration from eyes, goggles or glasses. To provide cooling, simply soak the interior headband for hours of cool comfort.

SUPERCOOL™ SUNSHIELDS
Extra protection for outdoor workers is provided by SuperCool™ sunshields designed to block up to 99% of the sun’s harmful UV rays. Fits comfortably under protective caps. Interior headband provides cooling.

SUPERCOOL™ THREE-IN-ONE HEADBAND
Provides relief from the heat at three levels. Use as a regular sweatband to absorb perspiration, soak in water for a few minutes for a cooling headband, or add water and refrigerate for extra cooling.

SUPERCOOL™ NECKWRAP
Amazingly lightweight and adjustable neckwrap is tailored to lay flat to fit comfortably around the neck to cool the pulse points. Can be refrigerated or chilled in a cooler for an extra margin of comfort.

www.fibre-metal.com
ULTRAWARM™ WINTER LINERS

Rugged two ply cotton shells extend service life. Soft comfortable lining traps warmth for protection over a wide range of temperatures. Adding UltraWarm™ HotHands® heatpacks adds warmth from 130 to 140 degrees over a full work day. Unique mounting channel allows heatpack to be positioned anywhere around the head. All UltraWarm™ winter liners include two heatpacks.

MODEL GLSW5
Full Size, Sherpa Lined

MODEL GLSW4
Extended Length - Includes two heatpacks

MODEL FLSW1
Standard Size - Includes two heatpacks

MODEL SWTMB
Turtleneck Warmer

MODEL SWHBB8
Headband Warmer

MODEL SWNW7
Neck Warmer

MODEL SWTT1
For shoes and boots

MODEL SWHH1
Large for vests

MODEL SWHH2
Small for liners, warmers and headbands

All UltraWarm™ products are also available in flame resistant models. Inquire.
FIBRE-METAL® OFFERS A FULL RANGE OF WINTER LINERS TO SUIT YOUR CLIMATE, WORKING CONDITIONS, AND YOUR BUDGET.

MODEL GL4SS

MODEL FL
Durable two ply black outer shell. Soft, red lining traps warmth to provide protection over a wide range of temperatures. Three suspension tabs. Velcro® chin closure. Dielectric. Non-durable flame resistant.

MODEL GL4
Same design as model FL with the additional protection of an extended length to cover more of the neck area.

MODEL GL5
Rugged two ply black outer shell extends service life through the entire winter season. The natural warmth and comfort of the heavy sherpa lining encourages use in the coldest work environments. Three suspension tabs. Velcro® chin closure. Non-durable flame resistant outer shell only. Lower cost version with red flannel lining also available. Order GL5RFL.

MODEL HJ-11
Comfortable, blue quilted stretch liner with red flannel lining, flame resistant foam used as an inner liner, conforms to individual head sizes and shapes for a perfect fit. Adjustable Velcro® chin closure.

MODEL SWWEC10
Rugged, high quality welder’s caps, with 4 panel design and elastic band allow the cap to be pulled over the ears when needed for protection from sparks and spatter. Lined with soft pile for warmth and comfort when the temperature drops. Warm enough to also be worn to and from work.