

FACE PROTECTION

Guide and Usage Material

Employees can be exposed to a large number of hazards that pose danger to their eyes and face. OSHA requires employers to ensure that employees have appropriate eye or face protection if they are exposed to eye or face hazards from flying particles, molten metal, liquid chemicals, acids or caustic liquids, chemical gases or vapors, potentially infected material or potentially harmful light radiation.

Many occupational eye injuries occur because workers are not wearing any eye protection while others result from wearing improper or poorly fitting eye protection. Employers must be sure that their employees wear appropriate eye and face protection and that the selected form of protection is appropriate to the work being performed and properly fits each worker exposed to the hazard.

Welding Operations

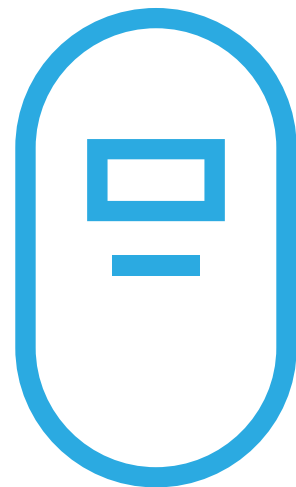
The intense light associated with welding operations can cause serious and sometimes permanent eye damage if operators do not wear proper eye protection. The intensity of light or radiant energy produced by welding, cutting or brazing operations varies according to a number of factors including the task producing the light, the electrode size and the arc current. The following table shows the minimum protective shades for a variety of welding, cutting and brazing operations in general industry and in the shipbuilding industry.



Laser Operations

Laser light radiation can be extremely dangerous to the unprotected eye and direct or reflected beams can cause permanent eye damage. Laser retinal burns can be painless, so it is essential that all personnel in or around laser operations wear appropriate eye protection.

Laser safety goggles should protect for the specific wavelength of the laser and must be of sufficient optical density for the energy involved. Safety goggles intended for use with laser beams must be labeled with the laser wavelengths for which they are intended to be used, the optical density of those wavelengths and the visible light transmission.



High Performance® Faceshields



- ✓ Exclusive overlay designs; heat and scratch resistant
- ✓ Oversized 7" heat resistant crown for extra protection
- ✓ Lifetime limited warranty



| Model No. | Description | Price/Each |
|-----------|-----------------------------|------------|
| SAP369 | Clear, 19" x 9 3/4" | \$00.00 |
| SAR046 | IR 3.0, 19" x 9 3/4" | \$00.00 |
| SAM376 | Headgear | \$00.00 |
| SAM377 | Clear faceshield | \$00.00 |
| SAM403 | IR/UV5 Shade 5.0 faceshield | \$00.00 |

Arc Flash Series Faceshields Dual Crown High performance Faceshield Systems



- ✓ Full face and neck protection
- ✓ Broader, deeper 4" headgear and chin protector, molded from Noryl®
- ✓ Available in dual crown ratchet headgear model or dual channel cap peak mounting bracket with chin protector
- ✓ High performance injection molded, preformed optically correct propionate faceshield with 25 cal ratings when used as tested



| Model No. | Description | Price/Each |
|-----------|---|------------|
| SAP523 | Dual crown protective mask and faceshield | \$00.00 |

Sparkgard Faceshields **NORTH**

- ✓ Accepts a wide range of faceshield/window styles
- ✓ Large sparkguard provides excellent protection
- ✓ Cross strap adjusts to allow an exceptional fit
- ✓ Full floating mount sparkguard provides comfortable wear even with heavy faceshield and continuous use
- ✓ Quick change system for holding faceshield/window
- ✓ Ratchet adjustment for quick, easy and perfect fit



| Model No. | Description | Price/Each |
|-----------|------------------|------------|
| SAH652 | Clear, 19" x 9¾" | \$00.00 |

Faceshields

| Model No. | Size | Form | Material | Price/Each |
|-----------|----------|------------|---------------|------------|
| SAI077 | 8 x 15½" | Formed | Polycarbonate | \$00.00 |
| SAI078 | 8 x 15½" | Flat PET-G | Copolyester | \$00.00 |

Forestry Kits **NORTH**

Economical

- ✓ 1 QZ045 hard hat, red
- ✓ 1 SAM365 forestry screen
- ✓ 1 SA690 Mustang muff, NRR 20 dB

Regular

- ✓ 1 SH143 hard hat, orange
- ✓ 1 SAM365 forestry screen
- ✓ 1 SA688 Phantom muff, NRR 21 dB



| Model No. | | Price/Each |
|-----------|------------|------------|
| SG504 | Economical | \$00.00 |
| SG503 | Regular | \$00.00 |

- ✓ Lightweight and balanced, ergonomic design for extended use
- ✓ Extended chin and top-of-head protection
- ✓ Enhanced protection from airborne debris
- ✓ Excellent optics and increased visibility
- ✓ Easy-to-set ratcheting headgear locking mechanism assures comfortable, secure fit
- ✓ Highly adjustable headgear tilts visor nearer or farther from face depending on preference and application
- ✓ Easily replaceable visor with dual position choices
- ✓ Comfortable cell foam on back of headgear
- ✓ Breathable, removable, washable headband
- ✓ Comfortably worn with most goggles and respirators



Bionic™ Shields

| Model No. | Description | Price/Each |
|-----------|------------------------------------|------------|
| SAK421 | Clear uncoated faceshield | \$00.00 |
| SAK422 | Clear anti-fog hardcoat faceshield | \$00.00 |

Replacement Faceshields

| Model No. | Description | Price/Each |
|-----------|-------------------------|------------|
| SAK423 | Clear uncoated | \$00.00 |
| SAK424 | Clear anti-fog hardcoat | \$00.00 |
| SAK425 | Shade 3.0, uncoated | \$00.00 |
| SAK426 | Shade 5.0, uncoated | \$00.00 |

Accessories

| Model No. | Description | Price/Each |
|-----------|----------------------|------------|
| SAO774 | Replacement headband | \$00.00 |
| SAO775 | Hard hat adapter | \$00.00 |
| SAO776 | Ratchet suspension | \$00.00 |

Jackson Safety* 170-SB Headgears



- ✓ Enables attachment of all faceshields
- ✓ Spark deflector
- ✓ Ratchet suspension



| Model No. | Price/Each |
|-----------|------------|
| 138-1613 | \$00.00 |

Jackson Safety* Model K Headgears



- ✓ Spark deflector
- ✓ Soft, absorbent wraparound foam cushioned sweatband gently hugs the natural shape of the head
- ✓ Ratchet suspension



| Model No. | Price/Each |
|-----------|------------|
| 141-1425 | \$00.00 |

Jackson Safety* 382 B Cap Adapters



- ✓ Easiest, least costly adapter
- ✓ Polyethylene spark deflector
- ✓ Totally dielectric for slotted caps
- ✓ Faceshield secured with integral plastic lugs
- ✓ Ideal for attachment of Jackson Safety* faceshields
- ✓ Includes an integral spark deflector and pivoting blades



| Model No. | Description | Price/Each |
|-----------|----------------------------------|------------|
| 138-1747 | 382 B Cap Adapter, Blade Mounted | \$00.00 |

Protecto-Shield® Prolok® Faceshields

NORTH



- ✓ Impact and splash protection
- ✓ Constructed of tough thermoplastic
- ✓ Heat resistant brow guard
- ✓ Easy sizing and tension adjustment for individual visor positioning
- ✓ Faceshields easily attach with no snaps, posts or levers
- ✓ Specially designed with a chemical splash drip edge to prevent fluids from splashing down inside the visor



Headgears

| Model No. | Description | Price/Each |
|-----------|---|------------|
| SG413 | Ratchet Adjustment | \$00.00 |
| SG414 | Pinlock Adjustment | \$00.00 |
| SG416 | For Safety Cap with Howard Leight® Earmuffs | \$00.00 |

Faceshields-Molded

| Model No. | Description | Dimensions H x W x D | Price/Each |
|-----------|----------------------|----------------------|------------|
| SG418 | Clear, Triton | 8½ x 15 x 0.060 | \$00.00 |
| SG419 | Clear, Polycarbonate | 8½ x 15 x 0.060 | \$00.00 |
| SG423 | Clear, Polycarbonate | 9 x 20 x 0.040 | \$00.00 |
| SAK431 | Shade 3.0 | 8½ x 15 x 0.060 | \$00.00 |
| SAK432 | Shade 4.0 | 8½ x 15 x 0.060 | \$00.00 |
| SAK433 | Shade 5.0 | 8½ x 15 x 0.060 | \$00.00 |
| SAK434 | Shade 6.0 | 8½ x 15 x 0.060 | \$00.00 |

Faceshields - Aluminum Bounded Acetate

| Model No. | Description | Dimensions H x W x D | Price/Each |
|-----------|-------------|----------------------|------------|
| SG420 | Clear | 6 x 15 x 0.040 | \$00.00 |
| SG421 | Clear | 8½ x 15 x 0.040 | \$00.00 |

Jackson Safety* F20 & F50 Polycarbonate Faceshields



- ✓ Impact performance
- ✓ Good performance against heat
- ✓ Excellent cold flexibility



| Model No. | Dimensions W x D x L | Tint | Binding | Price/Each |
|-----------|----------------------|----------------|---------|------------|
| SG418 | 15.5" x 0.060" x 8" | F20, Clear | Unbound | \$00.00 |
| SG419 | 15.5" x 0.060" x 8" | F50, IR/UV 3.0 | Unbound | \$00.00 |
| SG423 | 15.5" x 0.060" x 8" | F50, IR/UV 5.0 | Unbound | \$00.00 |

Jackson Safety* F30 Acetate Faceshields



- ✓ Robust combination of weight and strength
- ✓ Excellent cold flexibility



| Model No. | Dimensions W x D x L | Tint | Binding | Price/Each |
|-----------|----------------------|-------------|----------------|------------|
| 138-1950 | 12" x 0.040" x 8" | Clear | Aluminum Bound | \$00.00 |
| 138-1035 | 15.5" x 0.040" x 9" | Clear | Aluminum Bound | \$00.00 |
| 138-1050 | 15.5" x 0.040" x 9" | Light Green | Aluminum Bound | \$00.00 |
| 138-1915 | 19.5" x 0.040" x 9" | Clear | Unbound | \$00.00 |

Ratchet Faceshields



- ✓ ABS material: Plastic resin forms shell of the headgear
- ✓ 5-cam locking system for added impact resistance
- ✓ Crown is made of nylon 66
- ✓ 4" Sparkgard made of HDPE Plastic
- ✓ Large ratchet handle is easy to adjust for optimum fit
- ✓ Washable cotton sweatband for better fit and durability



| Model No. | Description | Dimensions W x D x L | Price/Each |
|-----------|--------------------------------|-----------------------|------------|
| SA388 | Ratchet Headgear | - | \$00.00 |
| SA301 | Clear Polycarbonate Faceshield | 8" x 15 1/2" x 0.040" | \$00.00 |

Jackson Safety* Capshields



Ideal for attachment of Jackson Safety* faceshields

137 Capshields

- ✓ Metal device for non-slotted caps
- ✓ Curved aluminum channel and coil spring attachment

337 Capshields

- ✓ Totally dielectric device for non-slotted caps
- ✓ Curved plastic channel fits over the bill and secures with adjustable rubber head band that stretches around the exterior cap crown
- ✓ Faceshields are secured with integral plastic lugs

437 Capshields

- ✓ All plastic, totally dielectric device for slotted caps
- ✓ Curved plastic channel fits over the bill of the cap and includes pivoting blades which snap easily into cap slots
- ✓ Faceshields are secured with integral plastic lugs



| Model No. | Description | Price/Each |
|-----------|---|------------|
| 138-1550 | 137 Capshield, Cap Coil Spring Attachment | \$00.00 |
| 138-1725 | 337 Capshield, Cord Mounted | \$00.00 |
| 138-1775 | 437 Capshield, Blade Mounted | \$00.00 |

Faceshields **MSA**

Choose from a wide variety of faceshields that fit easily on MSA faceshield frames. Nitrometer faceshields and chin-guards incorporate an additional guard to help protect chin and neck and reduce the chance of upsweep of particles and splash. Faceshields should always be worn with primary eye protection such as high impact resistant spectacle or goggles.

| Model No. | Type | Description | W | | D | Price/Each |
|-----------|---------------|---|---------|---|------|------------|
| SEL087 | Polycarbonate | Clear, Side Contour | 8" | x | 17" | \$00.00 |
| SEL088 | Polycarbonate | Green Tint, Molded, AF/AS | 8" | x | 17" | \$00.00 |
| SEL098 | Polycarbonate | Clear, Molded | 10.375" | x | 17" | \$00.00 |
| SEL084 | Propionate | Clear, Molded | 8" | x | 17" | \$00.00 |
| SEL085 | Propionate | Clear, Molded | 9.25" | x | 18" | \$00.00 |
| SEL086 | Propionate | Green Tint, Molded | 9.25" | x | 18" | \$00.00 |
| SEL099 | Mesh | Mesh w/Plastic Edge | | | | \$00.00 |
| SEL013 | Mesh | V-Gard, Mesh | | | | \$00.00 |
| SEL107 | Arc Flash | Molded, Rated 12.9 Cal/cm2 | 29.25" | x | 18 | \$00.00 |
| SEL108 | Arc Flash | Molded, Nitrometer, Chin Protector | 8" | x | 7.25 | \$00.00 |
| SEJ998 | Frame | V-Gard, for Slotted Caps | | | | \$00.00 |
| SEL103 | Frame | V-Gard, for Slotted Caps, w/Debris Control | | | | \$00.00 |
| SEL104 | Frame | V-Gard, for Slotted Caps, High Temp, w/Debris Control | | | | \$00.00 |
| SEL105 | Frame | V-Gard, for Slotted Caps, High Temp, w/o Debris Control | | | | \$00.00 |
| SEL106 | Frame | 2 V-Gard, Universal Frame, High Temp, w/Debris Control | | | | \$00.00 |
| SEL112 | Frame | V-Gard, Universal Frame, for MSA Slotted Helmet | | | | \$00.00 |
| SEL114 | Frame | V-Gard, Universal Frame, w/o Debris Control | | | | \$00.00 |
| SEL115 | Frame | V-Gard, Universal Frame, w/o Debris Contro | | | | \$00.00 |

Head & Face Protection Systems **MSA**

Model No. SAM400

- ✓ SAF960 V-Gard® hard hat, yellow
- ✓ SEJ998 Frame for V-Gard®
- ✓ SEK030 Clear polycarbonate faceshield
- ✓ SEL083 Sound Blocker muffs, 26 NRR

Model No. SAM401

- ✓ SAF960 V-Gard® hard hat, yellow
- ✓ SEJ998 Frame for V-Gard®
- ✓ SEK030 Clear polycarbonate faceshield



| Model No. | Price/Each |
|-----------|------------|
| SAM400 | \$00.00 |
| SAM401 | \$00.00 |

Jackson Safety* V90 Monoshield* Goggles



- ✓ Monogoggle* 211 attaches to shield with PVC gasket
- ✓ Can be worn with caps and disposable respirators
- ✓ Clear see-through material allows for easy wearer identification
- ✓ Polycarbonate shield provides face protection
- ✓ Can be worn over most prescription eyeglasses

| Model No. | Description | Price/Each |
|-----------|-----------------|------------|
| SC480 | V90 Monoshield* | \$00.00 |

Jackson Safety* V90 Shield* Goggles



- ✓ Features the Monogoggle* XTR* with indirect ventilation
- ✓ and a polycarbonate shield for full face protection
- ✓ Shield detaches from the goggles
- ✓ Curved face shield conforms to shape of face offering added protection
- ✓ Can be used over most prescription eyeglasses

| Model No. | Lens Tint | Price/Each |
|-----------|--------------------|------------|
| TTT954 | Clear Anti-Fog | \$00.00 |
| TTT955 | Shade 3.0 Anti-Fog | \$00.00 |
| TTT956 | Shade 5.0 Anti-Fog | \$00.00 |