

PPE FROM HEAD TO TOE

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Stauffer Glove and Safety

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What we will cover today!

Head Protection

Face Protection

Eye Protection

Hearing Protection

Respiratory Protection

Protective Clothing

Gloves

Foot Protection

Head Protection

ANSI/ISEA Z89.1-2014

Class E (Electrical) Intended to reduce the danger of exposure to high voltage electrical conductors, proof tested at 20,000 volts

Class G (General) Intended to reduce the danger of exposure to low-voltage electrical conductors, proof tested at 2,200 volts

Class C (Conductive) Helmets do not provide protective from electrical conductors

Type “I” helmets: Protect the wearer from top impact, while Type “II” helmets protect the wearer from top and lateral impact.

Non Mandatory

Reverse Donning, Only if the helmet is marked with “double arrow circle”

Suspensions:

- **Ratchet**
- **Swing-Ratchet**
- **One Touch/Slide**

Chin Straps

Face Protection

Head Gear with Visor:

**General Purpose or for Elevated
Temperatures**

Hard Hat Frame:

General Purpose or Elevated Temperatures

Face Protection Visors

Visor Types: **General Purpose, Anti-fog/Scratch**
General Purpose w/ Chin protection
Heavy Duty w/Anti-fog/Scratch
Steel Mesh, Non-impact
Heavy Duty Chemical/Splash
Elevated Temperature
Elevated Temperature Tinted
Radiant Heat Reflective Coated
Welding Shades 3 & 5
Arc Flash Application

Eye Protection

ANSI/ISEA Z87.1-2010

Safety Glasses are made for several applications which requires the following selections:

- **Indoor Humid Conditions**
- **Outdoor High Glare & Ultraviolet (UV) Exposure**
- **Indoor/Outdoor**
- **Indoor**
- **Outdoor**
- **Low Light**
- **Over the Glasses**
- **Bifocal Magnification**
- **Welding**

Safety Goggle

- **Dust**
- **Chemical and Splash**
- **Industrial Impact and Splash**
- **General Purpose Impact and Splash**

Safety Goggle/Faceshield Combination

Goggle Retainers

Hearing Protection

ANSI S3.19-1974

- **Disposable Foam Plugs, Corded/Non Corded**
- **Metal Detectable Ear Plugs**
- **Push-to-Fit Ear Plugs**
- **Reusable Ear Plugs**
- **Banded Hearing Protectors**
- **Earmuffs**
- **Hard Hat Mounted Earmuffs**
- **Push-to-Listen Earmuffs**
- **Food Industry Earmuffs**
- **Welding Earmuffs**
- **Radio Hearing Protector Headsets**
- **Tactical Pro Headsets**
- **Communication Headsets**

Respiratory Protection

CFR 1910.134

- **Disposable Respirators**
- **Air Purifying Respirators (APR)**
 - Half Mask**
 - Full Facepiece**
 - Chin Type Gas Mask**
 - Riot Control and CBRN Gas Mask**
(Chemical, Biological, Radiological, Nuclear)
- **Powered-Air Purifying Respirator**
- **Supplied-Airline**
- **Supplied Airline with Escape Bottle**
- **Escape Respirators**
- **Self-Contained Breathing Apparatus**
- **Fire Escape Hood (filters CO and smoke for 15 minutes)**

Protective Clothing

Hi-Viz Clothing

FR Base Layer

FR Clothing

Aluminum Suits

FR Ratings, do you understand them?

Deb Bailey has a Webinar to help

Specific Changes

NFPA 70E-2012	NFPA 70E-2015
Arc Flash Hazard Analysis	Arc Flash Risk Assessment
Shock hazard analysis	Shock Risk assessment
Electrical hazard analysis	Electrical hazard risk assessment
Hazard identification and risk assessment	Risk Assessment
Hazard Risk Category “HRC”	Arc flash PPE category Term Eliminated
Prohibited Approach Boundary	Eliminated
Bare Hand Work	Eliminated

Emphasis on Risk,
not hazard

New Definitions



- **Hazard:** A source of possible injury or damage to health
- **Hazardous:** Involving exposure to at least one hazard
- **Risk:** A combination of the likelihood of occurrence of injury or damage to health and the severity of injury or damage to health that results from a hazard.
- **Risk Assessment:** An overall process that identifies hazards, estimates the potential severity of injury or damage to health, estimates the likelihood of occurrence of injury or damage to health, and determines if protective measures are required.

Gloves

**Cut Level, Abrasion, Dipped,
Waterproof, Impact, Chemical, PVC,
Nitrile, Vinyl, Hot Mill, Leather, Jersey,
String Knit, Fire Resistant, High
Dexterity, Welding, Kevlar, Hi-Viz, Cut
Resistant Liners**

Cut Resistant Glove Ratings

ASTM (American Society of Testing Materials)

EN (European Standard)

Please understand the difference between the two. The ASTM has better testing than the European due to the weight they put on the blade and how the blade strikes are done.

Some glove manufactures only show the EN ratings which are misleading and dangerous.

In other words the EN glove may show you cut level 5, which could be an ASTM cut level 3/4.

Stick with the ASTM and keep your team safer.

GO USA!



GHEK[®]
EN 388 CR
16-350
L
ANSI 8
CUT 4543



XEDX[®]
EN 388 CR
16-350
L
ANSI 8
CUT 4543

Foot Protection

Composite Toe, Alloy Toe, Steel Toe
Insulated, Waterproof, Electrical Hazard
Abrasion Resistant
Puncture-Resistant Plate
Heat Resistant, Slip Resistant
Anti-fatigue Technology
Bloodborne Pathogen Protection
Metatarsal, Internal Metatarsal

Questions?

QUESTIONS?

Thank You!

Be Safe!