

**WERNER**  
ELECTRIC SUPPLY



# SAFETY SOLUTIONS



# SAFETY SOLUTIONS



## Products and Services to Keep People Safe

Werner Electric Supply is dedicated to promoting, training, and supporting safety. In every company, the most important commodity is people. Without them the business simply wouldn't be successful. Our goal is to keep those people safe and productive.



# Connecting with you Since 1948.

At Werner Electric Supply, we have grown to serve the needs of our loyal customers and valued partners since our modest beginnings in 1948. We provide diverse, high quality products, and services from our locations throughout Wisconsin and Michigan's Upper Peninsula.

Today, we offer convenient access to over \$30-million in inventory made up of 24,000 SKUs in our state-of-the-art, 250,000-square-foot warehouse and headquarters. As a key partner to our customers in all areas of business, Werner Electric strives to provide service that goes above and beyond expectations. Our engineers and product specialists are able to provide services such as technical support, training, inventory management, engraving, custom assemblies, modified enclosures, lighting design, and much more!

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Not just products...

# Services to Create a Safer Facility



## Lockout/Tagout

- Visual Lockout Procedure Writing (VLOP)
- Annual Audits
- Training
- And More...

## Arc Flash

- Arc Flash Risk Assessments
- Compliance Reviews
- Infrared Thermography
- Training

## Confined Space

- Inventory and Classification
- Hazard Assessments
- Training

# Software to Sustain Compliance



# Safety and Facility Assessment



**Determine what resources are necessary to improve day-to-day operations and safety needs of your facility.**

The purpose of the Safety and Facility Assessment is to initially determine what resources are necessary to improve day-to-day operations and safety needs of your facility.

One of the “root causes” of workplace injuries, illnesses and incidents is the failure to identify or recognize hazards that are present or could have been anticipated. A critical element of any effective safety program is an ongoing and proactive process to identify and assess hazards.

## **To identify and assess hazards, employees need to:**

- Collect and review information about hazards present or likely to be present in the workplace.
- Conduct periodic workplace inspections to identify new or recurring hazards.
- Train employees regularly with updated safety and facility changes.

## **The Safety and Facility Assessment consists of:**

- A fifteen-minute pre-assessment meeting with management and team members to discuss objectives and details of the assessment procedure.
- A one hour (+/-) walk through of the facility resulting in a detailed checklist of documented findings.
- A fifteen-minute (+/-) post assessment meeting with the initial team to discuss assessment findings and the best way to proceed.



# Training and Services

## Arc Flash

- Arc Flash Risk Assessments
- Compliance Reviews
- NFPA 70E Electrical Safety Seminars
- Rubber Glove, Blanket and Hot Stick Testing

## Fall Protection/At Heights

- Capital Block Repairs
- Fall Protecting ABCD Awareness Demonstration
- Fall Protection Inspections
- Tool Tethering and Drops at Heights

## First Aid/CPR/AED Training

See following page.

## Hand Protection

- Glove Audit and Application Survey
  - Glove Recommendations
  - Risk Assessment
  - SKU Consolidation
- Training and Hazard Awareness

## Hazard Based Eyewear

## Hearing

- E-A-Rfit™ Validation
- Hearing Conservation Seminars
- Noise Indication & Sound Detection Equipment

## Lockout/Tagout

- Annual Audits
- Authorized, Affected and General Training
- Visual Lockout Procedure Writing (VLOP)

## Respiratory

- Respirator Fit Testing
- Respirator Program Training

## Vendor Managed Inventory (VMI)

- Job Trailers and Boxes
- Vendor Machines
- VMI Assistant
- VMI Pro



To register for an upcoming training at a Werner Electric Supply location, visit [WernerElectric.com/Training-Events](https://www.werner-electric.com/Training-Events)



# First Aid/CPR/AED Training



## GO WITH THE EXPERT

Not all First Aid and CPR courses are created equal. Many providers don't offer the comprehensive training needed to meet *OSHA First Aid Standard 29 CFR 1910.151*. Don't put your employees' safety at risk. Go with the experts in occupational First Aid and CPR training.

## CONSIDER THESE FACTS:

- 25% of all emergency room visits can be avoided with basic First Aid and CPR certification
- Sudden cardiac arrest represents 13% of all workplace deaths
- 75% of all out-of-hospital heart attacks happen at home

2 year  
**NSC**  
Certification



### Session 1 - Standard First Aid and Choking (3 hours)

- |                               |   |
|-------------------------------|---|
| I. Acting in an Emergency     | II. Preventing Disease Transmission                                 |
| III. Check the Victim         | IV. Recovery Position   |
| V. Bleeding and Wound Care    | VI. Shock   |
| VII. Burns                    | VIII. Bone, Joint & Muscle Injuries                                 |
| IX. Head and Spine Injuries   | X. Sudden Illness: Cardiac, Stroke, Respiratory, Seizures, Diabetes |
| XI. Poisoning, Bites & Stings | XII. Heat, Cold & Environmental Emergencies                         |

### Session 2 - CPR/AED and Choking (2 hours)

- |                   |             |
|-------------------|-------------|
| XIII. CPR and AED | XV. Choking |
|-------------------|-------------|

**Course Materials:** All participants are issued an instructional training manual and First Aid Quick Guide.

**Course Completion Certificate:** Participants who successfully complete the course are issued National Safety Council Certificates of Completion. Both First Aid and CPR/AED certification are valid for 2 years.



## CUSTOM ON-SITE TRAINING

Contact Werner Electric's Electrical Safety Product Specialist for more information. Set up a customized training at your location or join us at one of our Werner Electric Supply locations.

- On-site First Aid Training\*
- On-site CPR/AED Training\*
- On-site First Aid + CPR/AED Training\*
- First Aid + CPR/AED Training at a Werner Electric Supply location\*\*

\*Prices based on 10 students/class.

\*\*Maximum 10 students/class.



# Inventory Management

Werner Electric Supply has more than 25 years of experience managing our customers' inventory!

Let us help you maximize cost-savings and efficiency by managing your inventory. Choose from our many different levels of service.

## VMI Assisted

**You maintain control. We assist.**

Werner Electric Supply understands that some of our customers need to maintain control of what gets replenished and ordered. We offer this program to make the ordering process as streamlined and accurate as possible.



### Benefits of this program:

- You maintain control of which products are ordered and how often.
- Werner Electric assists with organizing and labeling your products.
- All orders are placed easily and electronically.
- Reduce the amount of time your staff spends on the ordering process.
- Place orders as often as you need.
- Orders are delivered the next day, some exceptions apply.
- Usage reports are available at the touch of a button.

## VMI Pro

**We take care of it all.**

- We organize your inventory.
- We order your inventory.
- We deliver and put away your inventory.
- We monitor your inventory.
- We generate usage reports.
- We make suggestions based on your usage history.



### Benefits of this program:

- Improve inventory accuracy
- Reduce downtime
- Reduce stock-outs
- Reduce P.O. costs
- Reduce inventory
- Increase productivity

**Werner Electric does not believe in the practice of OVERSTOCKING. We take pride in our relationship with our customers and vow to never overstock our VMI customers' inventory!**





## Vending Machines

Vending machines can provide secure, convenient access to high-value, fast-moving, and critical supplies.

Let us set up the best vending solution for your facility. Rest assured, we can provide the service and expertise you have come to expect from Werner Electric Supply.

- Improve accountability
- Improve access
- Reduce loss
- Cut overuse
- Save money!

### Suggested Items:

- Safety glasses
- Hearing protection
- Gloves
- Batteries
- Tape
- Drill bits
- Cable ties
- Flashlights
- Items custom to your operations



## Job Trailers

Keep your job materials under lock and key until you need them. Your trailer will be delivered to your job site complete with your initial order. A Werner Electric Inventory Specialist can help completely manage the inventory in your job trailer. Once your inventory is checked in, you will be given a key for job trailer access at any time.

- Central storage of materials
- Protection from the elements
- Secure storage on the job site
- Materials easily accessible when and where you need them
- Inventory specialists available to manage your inventory levels
- On-site storage trailers with shelving
- Electrical and communication hookups
- Planning table



## Job Boxes

Moving materials from room to room has never been easier with a Werner Electric job box. Move these rolling storage boxes with you from site to site.

Our VMI team will make sure your job boxes are fully stocked and ready to go!



# Arc Flash Protection

## What is an arc flash?

Simply put, an arc flash is a phenomenon where a flashover of electric current leaves its intended path and travels through the air from one conductor to another, or to the ground. The results are often violent. When a human is in close proximity to the arc flash, serious injury and even death, can occur.

## Why is electrical safety important?

- 1. The human factor:** An arc flash incident can cause serious injury or even death as the direct result of arc flash characteristics
  - Burns (non FR clothing can burn onto skin)
  - Fire (could spread rapidly through the building)
  - Flying objects (often molten metal)
  - Blast pressure (upwards of 2,000 lbs. / sq. ft.)
  - Sound blast (noise can reach 140 dB – loud as a gun)
  - Heat (upwards of 35,000° F)
- 2. The economics:** Direct and indirect costs of an incident can significantly impact a company's bottom line and employee morale. Medical, legal, and insurance fees can accumulate quickly. Productivity is lost and fines can reach staggering levels.

## Who is responsible for safety?

The employer is responsible for: safety related work practices, employee training, and informing contract employers of known hazards. The employee is responsible for implementing and complying with established procedures. Contract employers are responsible for instructing employees of hazards communicated by the host employer, for the compliance of employees to safe work practices and for advising the host employer of violations and hazards.

## What does an electrical safety solution look like?

An electrical safety solution is integrated and comprehensive. It addresses the mechanical and human elements of the workplace. Hazards are identified through safety audits. Safety experts help engineer the hazards out of your workplace. Additional personal protection is determined and the appropriate training curriculum is developed for your specific needs. Finally, the solution is communicated to all parties with the intent of reducing hazards and preventing incidents in the future.

- Engineer the hazards out of your workplace
  - safety audits and system design
- PPE selection and supply
- Equipment testing
- Training – NFPA 70E/OSHA 1910 Electrical Safety Seminar
- Communication of safety processes

## STANDARDS

The following standards play a key role in promoting electrical safety. Be sure to review all electrical safety standards when developing your electrical safety program.

### NFPA 70E 2018

Standard for Electrical Safety in the Workplace®

- NFPA Article 130: Work Involving Electrical Hazards
- NFPA 70E 130.7: Personal and Other Protective Equipment

### OSHA 1910.333(C)(2)

Work on energized equipment. Only qualified persons may work on electric circuit parts or equipment that have not been de-energized under the procedures of paragraph (b) of this section. Such persons shall be capable of working safely on energized circuits and shall be familiar with the proper use of special precautionary techniques, personal protective equipment, insulating and shielding materials, and insulated tools.

### OSHA 1910.332 Training. Scope.

The training requirements contained in this section apply to employees who face a risk of electric shock that is not reduced to a safe level by the electrical installation requirements of 1910.303 through 1910.308.

Note: Employees in occupations listed in Table S-4 face such a risk and are required to be trained. Other employees who also may reasonably be expected to face comparable risk of injury due to electric shock or other electrical hazards must also be trained.

# Arc Flash Protection

## Services and Training

### Rubber Goods Testing



#### Type of equipment

Rubber insulating line hose	Upon indication that insulating value is suspect
Rubber insulating covers	Upon indication that insulating value is suspect
Rubber insulating blankets	Before first issue and every 12 months thereafter <sup>1</sup>
Rubber insulating gloves	Before first issue and every 6 months thereafter <sup>1</sup>
Rubber insulating sleeves	Before first issue and every 12 months thereafter <sup>1</sup>

<sup>1</sup>If the insulating equipment has been electrically tested but not issued for service, it may not be placed into service unless it has been electrically tested within the previous 12 months.

#### What is included?

- Glove pickup
- Glove testing
- Certification date ink stamp
- Glove delivery after testing
- No freight charges (excluding hotsticks)

#### Additional services

- Automatic replacement
- Retest notification
- Vendor Managed Inventory
- Fail notification

### Arc Flash Safety Training: NFPA 70E/OSHA 1910



Learn what causes arc flash, reasons for performing an arc flash analysis, NFPA 70E and OSHA regulations and standards, the steps and skills necessary to recognize electrical safety hazards, and information required for accurately performing an arc flash analysis.

#### What you will learn

- What causes an arc flash
- Regulations and standards
- Steps required to perform an arc flash hazards analysis
- Methods to reduce arc flash, arc blast, and shock hazards
- How to comply with NEC, NFPA 70E, and OSHA requirements
- How to select the proper Personal Protective Equipment (PPE)
- Care of personal protective equipment
- What is the proper procedure for lockout/tagout
- Tools to use when working on energized equipment

Visit [WernerElectric.com/Training-Events](http://WernerElectric.com/Training-Events) for a schedule of upcoming seminars, or contact us to set up a custom on-site class.

# Arc Flash Protection

## Personal Protective Equipment

### Accessories



#### Cotton Glove Liner

100% cotton  
One size fits all  
Catalog # West Chester 705



#### IDEAL 9 Piece Electrician's Insulated Tool Kit

- 9" Insulated Side Cutter with Crimp (30-9430)
- 8" Insulated Diagonal Cutting Pliers with Angled Head (35-9029)
- 8-1/2" Long Nose Plier (35-9038)
- Insulated T<sup>®</sup> Wire Stripper (45-9120)
- Slotted 7/32" x 5" Screwdriver (35-9147)
- Slotted 1/4" x 4" Screwdriver (35-9150)
- Slotted 1/4" x 6" Screwdriver (35-9151)
- Phillips #1 x 3-3/16" Screwdriver (35-9193)
- Phillips #2 x 4" Screwdriver (35-9194)



Catalog # IDEAL 35-9108



#### Salisbury Glove Inflator Kit

Glove inflator for inspecting rubber gloves. The easy-to-use design features a non-slip base and doesn't require straps or bands for fast, thorough visual inspections, which are REQUIRED prior to each use of the insulating gloves.

Catalog # PIP 9010-5120



#### Glove Dust

5 oz. squirt bottle  
Absorbs moisture when wearing rubber gloves  
Catalog # Salisbury 10-4



#### Chicago Protective Apparel Duffel Bag

Catalog # 909-ARC

## Shock Protection

#### Electrical Insulating Rubber Gloves - 11 inch

Class 00	Class 0	Color
IRG0011B8	IRG011B8	Black
IRG0011B9	IRG011B9	Black
IRG0011B10	IRG011B10	Black
IRG0011B11	IRG011B11	Black
IRG0011B12	IRG011B12	Black
IRG0011R8	IRG011R12	Red
IRG0011R9	IRG011R13	Red
IRG0011R10	IRG011R14	Red
IRG0011R11	IRG011R15	Red
IRG0011R12	IRG011R16	Red

#### Shock Glove Kits - 11 inch

Class 00	Class 0	Color
IRG0011B8K	IRG011B8K	Black
IRG0011B9K	IRG011B9K	Black
IRG0011B10K	IRG011B10K	Black
IRG0011B11K	IRG011B11K	Black
IRG0011B12K	IRG011B12K	Black
IRG0011R8K	IRG011R8K	Red
IRG0011R9K	IRG011R9K	Red
IRG0011R10K	IRG011R10K	Red
IRG0011R11K	IRG011R11K	Red
IRG0011R12K	IRG011R12K	Red

#### Voltage Rating

Class 00	500 Volts
Class 0	1000 Volts
Class 1	7500 Volts
Class 2	1700 Volts
Class 3	26500 Volts
Class 4	36000 Volts

#### Leather Protectors

AFW-PG-10-8
AFW-PG-10-9
AFW-PG-10-10
AFW-PG-10-11
AFW-PG-10-12

#### Glove Storage

AFW GLB11





# HRC 2 Compliance

## Head/Face Protection



### Salisbury 12 cal/cm<sup>2</sup> Face Shield Unit

Weight Balancing Arc Flash Protection Face Shield stows in a balanced, compact position when not needed.

- Nanotechnology provides a clearer window
- Designed to be easily replaced without tools
- Ventilation ribs reduce fogging



Catalog # Salisbury AS1200HAT-SPL

Canvas Storage Bag: ASBAG



### 3PHASE Lift-front Face Shields

Chicago Protective 12 cal/cm<sup>2</sup> SWH-12H3P

Chicago Protective 12 cal/cm<sup>2</sup> with cooling fan Catalog # SWH-12H3P-FAN

## Body Protection



### Deluxe Coverall - 7oz

ATPV 10.1 cal/cm<sup>2</sup> (navy)



- One-piece, top-stitched, lay-flat collar
- One-piece bi-swing action back
- Two-way concealed, Nomex<sup>®</sup> tape, brass, break-away zipper, concealed snap at top of zipper at neck
- Elastic waist inserts in back

Catalog # Bulwark CMD6NV



### Chicago Protective Apparel 12 cal/cm<sup>2</sup> Jacket

Catalog # SWJ-12-Size

### Chicago Protective Apparel 12 cal/cm<sup>2</sup> Bib Overall

Catalog # SWB-12-Size

## Neck Protection



### Knit Nomex<sup>®</sup> Blend Hood

- Made from 7 oz. knit Nomex<sup>®</sup>
- Long style
- Two-ply
- ATPV of 10.1 cal
- NFPA 70E compliant



Catalog # KN-51

# HRC 4 Compliance

## Head/Face Protection



### 3PHASE Lift-front Face Shields

Chicago Protective 43 cal/cm<sup>2</sup> with cooling fan Catalog # SWH-43H3P-FAN

Chicago Protective 43 cal/cm<sup>2</sup> Catalog # SWH-43-BSD-HC



## Body Protection

### Ultra Lightweight 40 Cal Jacket & Bib Kit

Chicago Protective AG40-size-NG

Chicago Protective AG40-size-NG-FAN - with cooling fan



# Testing and Measuring Equipment

## The right tools for the job

Measuring live voltages and current in today's high energy environments can result in a severe hazard to equipment and users if proper precautions are not applied. Given the risk of transients, surges, and old-fashioned human error, it always pays to follow safe work practices and use test instruments rated for the voltage or current you're measuring.

Whenever possible, work on de-energized circuits and follow proper lockout/tagout procedures. If you must work on live circuits, following the steps below will improve your measurement practices and help reduce any hazard.

## Best Practices

1. Measure at the lowest energy point.
2. Keep your eyes on the area you're probing and keep both hands free as conditions require.
3. For single phase, connect neutral first – hot second.
4. Use the three point test method. (Request Fluke application note for details)
5. Use test probes with a minimum amount of exposed metal such as .12 inch (4 mm) metal tip probes.
6. Keep one hand in your pocket unless you must use both hands for a good measurement.



## STANDARDS

### NFPA 70E 2012 110.4(A)(3)

Test instruments, equipment, and their accessories shall be designed for the environment to which they will be exposed and for the manner in which they will be used.

## FLUKE UPDATES

### When was the last time you had a Fluke update?

- Schedule a local Fluke representative visit to your facility, to provide your team with the latest Fluke technology updates
- Learn how to get more out of the Fluke tools you already own
- Learn how Fluke predictive maintenance tools can help you manage downtime and improve efficiencies

Contact your local Werner Electric representative to schedule a Fluke update today.

\* This information is part of a Fluke application note entitled, "Safety Considerations for Live Measurements."

**FLUKE**<sup>®</sup>



## See It. Save It. Share It.

Fluke Connect® assets enable maintenance managers to build and sustain successful maintenance programs. Whether you are looking to establish preventive or condition-based practices or simply maximize uptime, you can now do it with minimal investment and setup.

- Improved collaboration, no matter where you are. Remote issue resolution because your data is easy to access, view, and share from anywhere.
- Visualize multiple measurements, including mechanical, electrical, and thermal, organized by piece of equipment.
- Quick return on investment. Designed for easy installation and setup without involving your IT team.
- Paper-free, wireless one-step measurement transfer reduces error and recaptures time spent searching for records.

### Get the test tools and software needed to simplify your preventive maintenance practices.

When using the Fluke Connect® wireless test tools and software together, you have the flexibility to start a preventive maintenance program with a single tool and expand at your pace.



Infrared Cameras
Ti400 Infrared Camera
Ti300 Infrared Camera
Ti200 Infrared Camera
TiS65 Infrared Camera
TiS60 Infrared Camera
TiS55 Infrared Camera
TiS50 Infrared Camera
TiS45 Infrared Camera
TiS40 Infrared Camera
TiS20 Infrared Camera
TiS10 Infrared Camera
TiX1000 Infrared Camera
TiX660 Infrared Camera
TiX640 Infrared Camera
TiX560 Infrared Camera
TiX520 Infrared Camera

Vibration Meters
805 FC Vibration Meter

Digital Multimeters
3000 FC Series Wireless Multimeter
289 True-rms Industrial Logging Multimeter (with ir3000 FC Connector)
287 True-rms Electronics Logging Multimeter (with ir3000 FC Connector)

Current Meters
a3000 FC Wireless AC Current Clamp
a3001 FC Wireless iFlex® AC Current Meter
a3002 FC Wireless AC/DC Current Clamp
a3003 FC Wireless DC Clamp
a3004 FC Wireless DC Clamp
TiX640 Infrared Camera
TiX560 Infrared Camera
TiX520 Infrared Camera

Voltage Meters
v3000 FC Wireless True-rms AC Voltage Meter
v3001 FC Wireless DC Voltage Meter

Temperature Meters
t3000 FC Wireless K-Type Temperature Meter

Process Tools
789 ProcessMeter™ (with ir3000 FC Connector)

Accessories
ir3000 FC Connector
Fluke Connect Wireless SD Card

Make easy product purchase decisions by selecting a Fluke Connect® kit. To get more details contact your local Werner Electric representative.

# Disposables

## Disposable PPE

**Sempermed®**  
We are people protection.®

EST. 1928  
**KEYSTONE**  
ADJUSTABLE CAP COMPANY, INC.

**WESTCHESTER**  
PROTECTIVE GEAR

Use in clean rooms or food and beverage environments to protect against contamination.

### Beard Cover



#### Keystone

Polypropylene  
Beard Cover  
White (100/bx)

Catalog # Keystone 112NWI-WHITE

### Hairnet



#### Keystone

24" - Polypropylene  
Bouffant Cap / Hairnet  
White (100/bx)

Catalog # Keystone 110NWI-10-24-WHITE

#### Keystone

24" - Polypropylene  
Bouffant Cap / Hairnet  
Blue (100/bx)

Catalog # Keystone 110NWI-10-24-BLUE

### For Visitors



#### Keystone

24" - Polypropylene  
Bouffant Cap / Hairnet  
Red (100/bx)

Catalog # Keystone 100NWI-10-24-RBG

### Lab Coat



#### Keystone

PPSB knit collar and safety cuff  
with 4 snap closure, no pocket  
White (30/cs)

Keystone LCO-WENW  
Sizes: M-4XL

### Nitrile Gloves



#### Sempermed INIPFT

INIPFT-102-S (Small), INIPFT-103-M  
(Medium), INIPFT-104-L (Large),  
INIPFT-105-XL (X-Large)

#### Sempermed SUNF20 Series

Sempersure® Nitrile Industrial Grade  
Gloves - 5.0 mil powder free purple

SUNF202 (Small), SUNF203 (Medium),  
SUNF204 (Large), SUNF205 (X-Large)



#### Global Glove 705BPF

ONYX Nitrile Exam Glove - 5.0 mil powder  
free black (100ea/bx)

Sizes: 705BPF-M (Medium),  
705BPF-L (Large), 705BPF-XL (X-Large),  
705BPF-2XL (XX-Large)

### Shoe Covers

#### Keystone



White laminated polypropylene  
shoe cover with non-slip tread  
(200/bx)

Catalog # Keystone SC-NWPI-AQ

#### Keystone



Blue cross linked polyethylene -  
water resistant  
(150pr/cs)

Catalog # Keystone SC-CPE

#### West Chester



SBP light blue non-skid shoe cover  
(200/bx)

Catalog # West Chester 3518BNS



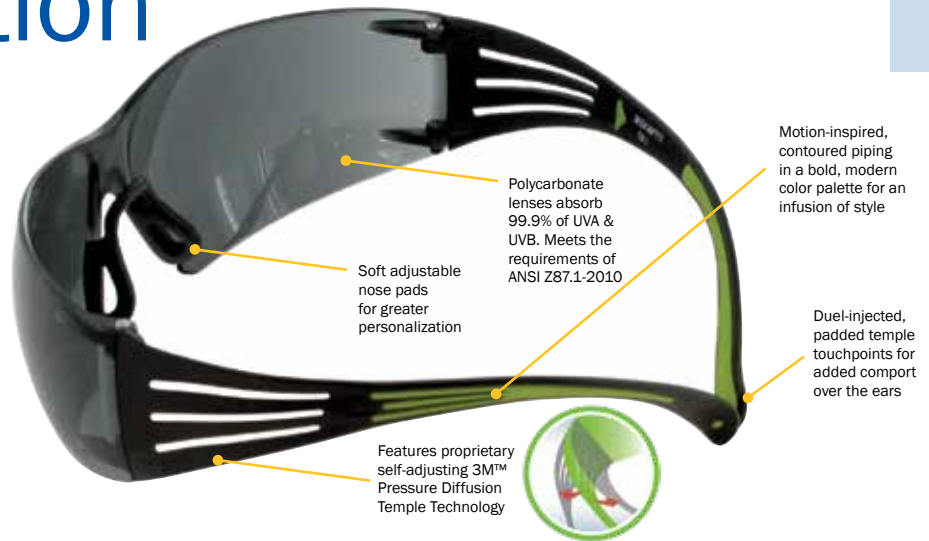
# Eye Protection

## 3M™ SecureFit™ Protective Eyewear, 400 series, takes comfort to the next level

The experience of putting on 3M™ SecureFit™ Protective Eyewear is game-changing.

### Now Available in Readers!

The 400 series features 3M™ pressure diffusion temple technology, soft adjustable nose pads, and dual-injected temples.



Catalog #	Product Description
3M SF401AF	3M™ SecureFit™ - Clear Anti-Fog Lens
3M SF402AF	3M™ SecureFit™ - Gray Anti-Fog Lens
3M SF410AS	3M™ SecureFit™ - Indoor/Outdoor Anti-Fog Lens
3M SF415AF	3M™ SecureFit™ - Clear Anti-Fog Lens, +1.5 Diopter
3M SF420AF	3M™ SecureFit™ - Clear Anti-Fog Lens, +2.0 Diopter
3M SF425AF	3M™ SecureFit™ - Clear Anti-Fog Lens, +2.5 Diopter
3M SF-FOAM	3M™ SecureFit™ - Replacement Foam Gasket



### Virtua™ CCS Safety Glasses

Foam gasket, clear anti-fog lens  
Catalog # 3M 11872-00000-20



### Solus 1000 Series

Scotchgard anti-fog coating  
Contact Werner Electric for available product options



### Lens Cleaning Towelettes

Individually packaged lens cleaning towelettes with anti-fog solution (100/bx)  
Catalog # PIP 252-LCT100



## STANDARDS

OSHA's eye and face protection standard, 29 CFR 1910.133 requires the use of eye and face protection when workers are exposed to eye or face hazards such as flying objects, molten metal, liquid chemicals, acids or caustic liquids, chemical gases or vapors, or potentially injurious light radiation.

### OSHA 1910.132

Personal Protective Equipment (PPE) - General Requirements (General Industry)

### OSHA 1910.133

PPE Eye and Face Protection (General Industry)

### OSHA 1926.102

Personal Protective and Life Saving Equipment-Eye and Face Protection (Construction)

### OSHA 1915.153

PPE Eye and Face Protection (Shipbuilding)

# Fall Protection



## ABCD's of a Fall Arrest System

### Anchorage Device

Anchors are a secure point of attachment. Anchorage connectors vary by industry, job, type of installation, and structure. They must be able to support the intended loads and provide a sufficient factor of safety for fall arrest.

### Body Protection

Body support is typically a full body harness. Harnesses distribute fall forces over the upper thighs, pelvis, chest, and shoulders. They provide a connection point on the worker for the personal fall arrest system when working at heights.

### Connecting Device

Connectors such as shock absorbing lanyards or self-retracting lifelines connect a worker's harness to the anchorage.

### Descent and Rescue

These are devices used to raise or lower a fallen, injured worker to safety or retrieve worker from a confined space.

## Body Support

### Delta 2™ Harness

Universal Size  
Catalog # 1102000



### ExoFit™ Vest-Style Harness

Medium (1107976)  
Large (1107977)  
X-Large (1107981)  
2X-Large (1107982)



## Connecting Device

### Nano 6' SRL

Catalog # 3101215



### Protecta 33' SRL

Catalog # 3590510



## Anchorage

### 3' Cross Arm Strap

Catalog # 1003000



### Glyder™ 2 Sliding Beam Anchor

Catalog # 2104700



## Descent & Rescue

### Trauma Strap

Catalog # 9501403





## Fall Protection Services

### Self-Retracting Lifeline (SRL) Block Repair

As an Authorized Distributor of DBI Sala/Protecta, coordinate with Werner Electric for your SRL repairs, upgrades, and recertifications. Contact [ReturnsDept@wernerelectric.com](mailto>ReturnsDept@wernerelectric.com) with the equipment's model and serial numbers and we'll take care of pick up, repair and return delivery. It's that easy.

### Annual Inspections

Our trained staff members can make your annual inspections easier. Werner Electric will visit your job site to inspect, evaluate and then report our findings. Our program will provide reminders to your team each year and conveniently keep your inspection records on file. Contact your local Werner Electric representative for details.



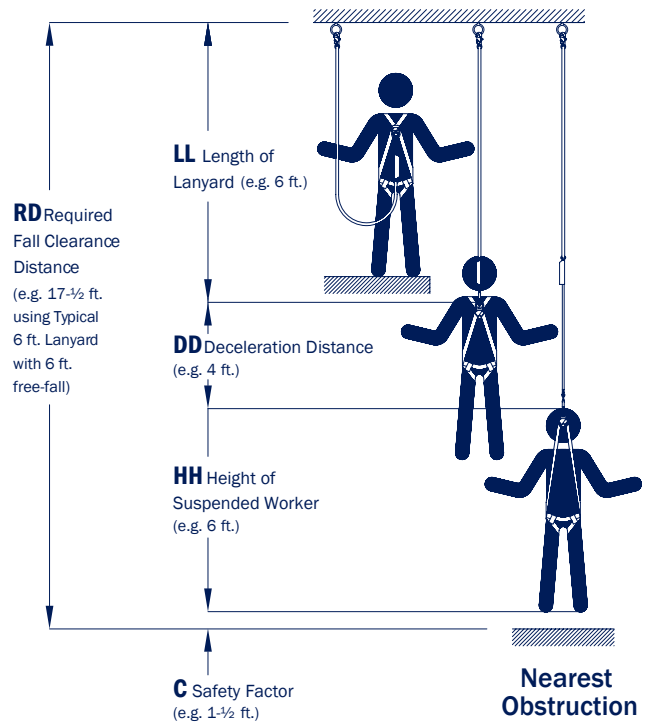
OSHA mandates that at heights of 6 ft. or greater in construction and 4 ft. or greater in general industry, employers must select one of the options listed for work operations, if a fall hazard is present:

- Engineer the hazard out
- Guardrail systems
- Safety netting
- Fall arrest system (ABCD's)

## On-site Fall Protection Awareness Demonstrations

Key benefits of the fall protection awareness demonstration fleet

- Product safety training
- Training on-site
- Actual drop simulations
- Increase product awareness and knowledge
- Consulting services



### Know your fall clearance

We recommend using a self-retracting lanyard when working 17-1/2 ft. or lower.



# Hand Protection

## Safety at Your Fingertips

The human hand contains 27 bones, a complex network of nerves, muscles, tendons, and an outer skin layer that's only three red blood cells thick. The hand remains critical to the success of industries across the board from high tech laboratories to food processing, manufacturing, and distributing enterprises. Protecting it on the job is essential to efficient production and the avoidance of costly injuries and lost work time.

### What to consider when selecting hand protection?

- Fit and dexterity
- Chemical-resistance
- Cut-resistance
- Oil-absorption
- Protection against viral and bacterial agents (disposal)
- Durability



### PPE selection and supply

Our broad and deep product lines can satisfy all your PPE needs. Work with fewer PPE vendors and let us help streamline your purchasing process.

- Cut resistant gloves / sleeves
- High dexterity
- Knitted / cotton / general-purpose
- Leather / cowhide / pigskin / deerskin / goatskin
- Coated / chemical
- Disposable gloves / apparel / footwear
- Recognizable brands (Kevlar®, Dyneema®)

### Services

- Training and hazard awareness
- Application survey/glove audits



## STANDARDS

### OSHA 1910.138(a) General requirements

Employers shall select and require employees to use appropriate hand protection when employees' hands are exposed to hazards such as those from skin absorption of harmful substances; severe cuts or lacerations; severe abrasions; punctures; chemical burns; thermal burns; and harmful temperature extremes.

### OSHA 1910.138(b) Selection

Employers shall base the selection of the appropriate hand protection on an evaluation of the performance characteristics of the hand protection relative to the task(s) to be performed, conditions present, duration of use, and the hazards and potential hazards identified.

### OSHA 1910.137 Rubber Insulation

Equipment Test Intervals: Insulated gloves should be tested before first issue and every 6 months thereafter.



# Cut Protection for Every Application



## MaxiFlex® Ultimate™



Catalog # 34-874



## MaxiFlex® Cut™



Catalog # 34-8743



## MaxiCut® Ultra™



Catalog # 44-3745

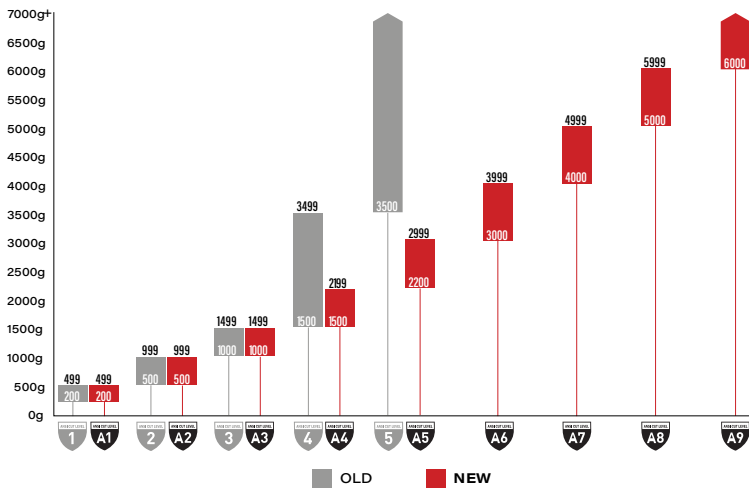


## Samurai® w/Touch Screen



Catalog # GLOBAL CR788

## New Scale to Determine Cut Scores



The new ANSI standard now features nine cut levels significantly reducing the gaps between each level and better defining protection levels for the cut resistant gloves and sleeves with the highest gram scores.

The graph shows the differences between the old scale and the new scale. New ANSI cut scores will feature an "A" in front of the score.



Old PIP Shield    New PIP Shield

## Cold Weather Gloves



### PowerGrab™ Thermo Glove

Acrylic liner for superior warmth and latex microfinish grip

**Catalog #**  
PIP 41-1430  
Medium, Large,  
X-Large, 2X-Large

**Application:**  
Refrigerated areas, utilities,  
food processing, construction

## Cold Weather Gloves



### Ninja® Ice Gloves

15 Gauge black nylon, acrylic terry liner, HPT palm and fingertips

**Catalog #**  
West Chester N9690  
Small, Medium, Large,  
X-Large, 2X-Large

**Application:**  
Cold storage, frozen food  
packaging, agriculture,  
construction, farming,  
landscaping, shipping/  
receiving, warehousing

## Leather Driver Gloves



### West Chester Cowhide

Standard grade cowhide leather driver gloves with keystone thumb

**Catalog #**  
West Chester 995K  
Large, X-Large, 2X-Large

**Application:**  
Material handling,  
construction,  
manufacturing,  
maintenance

# Head Protection



## The grain of truth in the penny and the Empire State Building story

While science disproves the theory that a penny falling from the top of the Empire State Building will kill a person, it does speak to the importance of head protection. One penny might hurt a little, but a roll of them could do some damage. Moral of the story is that falling objects with some weight or other dangerous characteristics (like sharp edges) can cause serious injury or even death. Head protection is yet another vital protection tool in your PPE safety program.

## ANSI Z89.1-1997

Separates protective hard hats into different types and classes.

"Type" is used to designate whether a hard hat provides protection strictly from blows to the top of the head (**Type I**) or protection from blows to both the top and sides of the head (**Type II**).

Under Z89.1-1997, the following three classes are recognized

- **Class G** (general) helmets: tested at 2,200 volts
- **Class E** (electrical) helmets: tested at 20,000 volts
- **Class C** (conductive) helmets: provides no electrical insulation

## ANSI Z89.1-2009

- Reverse donning: Hard hats marked with a "reverse donning arrow" can be worn frontward or backward in accordance with the manufacturer's wearing instructions.
- Lower temperature: Hard hats marked with an "LT" indicate that the hard hat meets all testing requirements of the standard when preconditioned at a temperature of -30 °C (-22 °F).
- High visibility: Hard hats marked with an "HV" indicate that the hard hat meets all testing requirements of the standard for high visibility colors. This includes tests for chromaticity and luminescence.

## Service Life

Per the 1997 ANSI standards you are to inspect daily for signs of dents, cracks, penetration, and any damage due to impact or wear. It is suggested to replace the suspension every 12 months and the hard hat after 5 years of use. In addition to everyday wear and tear, ultraviolet (UV) radiation can pose a problem for hard hats constructed of plastic materials.

## STANDARDS

### OSHA 1926.100(a)

Employees working in areas where there is a possible danger of head injury from impact, or from falling or flying objects, or from electrical shock and burns, shall be protected by protective helmets.

### OSHA 1926.100(b)

Helmets for the protection of employees against impact and penetration of falling and flying objects shall meet the specifications contained in American National Standards Institute, Z89.1-1997, Safety Requirements for Industrial Head Protection.

# Head Protection

## Hard Hats



### 3M H-700 Series with Uvicator™



With the Uvicator™ Sensor, you will know when your hard hat has been in the sun too long.



### 3M H-700 Series - Ultimate Comfort

The 3M™ Hard Hat H-700 Series is engineered to provide full-shift comfort, head protection, balance, and stability. The lightweight H-700 Series features a unique top of hat design with a short brim and both a vented and non-vented version. This hard hat is made from high-density polyethylene and meets the requirements of the ANSI/ISEA Z89.1 - 2009 Type 1, Class C, G, and E.



#### H-700 Series Hard Hat, White 4-Point Ratchet Suspension

Catalog # 3M H-701R

\*Other color options available

#### H-700 Series Hard Hat with UV-Indicator, White 4-Point Ratchet Suspension

Catalog # 3M H-701R-UV

\*Other color options available



**CUSTOM LOGO**

Advertise your company's logo by adding it to your hard hat.

Ask us how!

### Bump Caps



Stylish ridgeline bump caps are available for applications where hard hats are not required, but some protection from minor bumps and scalp lacerations is needed. Ridgeline bump caps are made of polyethylene material but are not designed to meet the safety standards for industrial head protection.



#### Ridgeline Bump Cap 4 Point Glide Lock Suspension - White

Catalog # 3M HP40010

\*Other color options available

### 3M Safety Helmet

The new 3M SecureFit Safety Helmet X5000 Series is designed for comfort and protection for those who work at heights.

As an added safety feature, all the helmets come with a red UV Indicator (or Uvicator), which turns white when the helmet has been damaged by UV rays over time.

TYPE 1 CLASS E

Catalog # 3M X5001-ANSI



### KASK Zenith Safety Helmet



This helmet provides an outstanding fit, high breathability and stability coupled with an innovative quick mount system for unique adaptability to worker's needs.

All face protections can be easily mounted and interchanged with the integrated Easy Click System.

TYPE 1 CLASS E

Catalog # KASK WHE00031.201

# Respiratory Protection

## The facts about respiratory hazards

Many substances can become airborne and inhaled; so knowing how to protect yourself is very important.

An estimated 5 million workers are required to wear respirators in 1.3 million facilities throughout the United States. Respirators protect you against insufficient oxygen environments, harmful dusts, fogs, smokes, mists, gases, vapors, and sprays. If not adequately protected, airborne hazardous materials may cause cancer, lung impairment, diseases, or death.

Taking preventive measures is the key to helping avert sickness. Compliance with the OSHA Respiratory Protection Standard could avert hundreds of deaths and thousands of illnesses annually.



## How do you develop an effective respiratory protection program?

An effective respiratory program must cover the following factors:

- Written worksite specific procedures
- Program evaluation
- Selection of an appropriate respirator approved by the National Institute for Occupational Safety and Health (NIOSH)
- Training
- Fit testing
- Inspection, cleaning, maintenance, and storage
- Medical evaluations
- Work area surveillance
- Air quality standards

## What type of respirators do you need?

- Disposable respirators
- Reusable respirators
- Powered and Supplied Air Respirators (P&SAR)
- Qualitative fit test kits

## How can Werner Electric Supply help?

- Assistance in respirator selection
- Respirator fit testing and training with aid of a 3M™ safety specialist
- Application survey



## STANDARDS

### OSHA 1910.134 Respiratory Protection

#### OSHA 1910.134(a)(1)

In the control of those occupational diseases caused by breathing air contaminated with harmful dusts, fogs, fumes, mists, gases, smokes, sprays, or vapors, the primary objective shall be to prevent atmospheric contamination. This shall be accomplished as far as feasible by accepted engineering control measures (for example, enclosure or confinement of the operation, general and local ventilation, and substitution of less toxic materials). When effective engineering controls are not feasible, or while they are being instituted, appropriate respirators shall be used pursuant to this section.

#### OSHA 1910.134(a)(2)

A respirator shall be provided to each employee when such equipment is necessary to protect the health of such employee. The employer shall provide the respirators which are applicable and suitable for the purpose intended. The employer shall be responsible for the establishment and maintenance of a respiratory protection program, which shall include the requirements outlined in paragraph (c) of this section. The program shall cover each employee required by this section to use a respirator.





## Disposable Respirators



### 3M™ N95 Particulate Respirator

Standard Size (20/bx)

Catalog #3M 8210



### 3M™ N95 Particulate Respirator with Cool Flow Exhalation Valve

(10/bx)

Catalog # 3M 8511

## Reusable Respirators



### Half-Face

### 3M™ Rugged Comfort Quick Latch Half Facepiece Reusable Respirator

6501QL (Small), 6502QL (Medium), 6503QL (Large)



### Full-Face

### 3M™ Ultimate FX Full Facepiece Reusable Respirator

FF-401 (Small), FF-402 (Medium), FF-403 (Large)



## Reusable Respirator Trade-in Program

Get 3M™ reusable respirator facepieces in exchange for competitive facepieces and your purchase of 3M™ cartridges and/or filters.

### How it works...

#### 3M™ reusable respirator trade-in process

1. Contact your local Werner Electric safety representative to confirm and process trade-in-request.
2. User must order cartridges and filters from distributor.
3. 3M™ will ship free facepieces to the distributor or end-user.
4. User and/or distributor collect and dispose of competitive facepieces.

#### Assorted Facepiece Example

Facepiece Model	6000 Series Half Facepiece	FF-400 Full Facepiece	Totals
Quantity of trade-in facepieces (required minimum of 10 assorted models)	5 facepieces	5 facepieces	10 facepieces
Filter/cartridge purchase requirements	2 pairs filters/cartridges	10 pairs filters/cartridges	
<b>Totals cartridges</b>	10 pairs filters/cartridges	50 pairs filters/cartridges	60 pairs filters/cartridges

#### Trade-in Ratio of Cartridges/Filters per Facepiece (e.g. purchase ten pairs of 6000 series cartridges to qualify for one FF-400 series respirator)

	3M™ Half Facepiece Reusable Respirator 6000 Series	3M™ Half Facepiece Reusable Respirator 6500 Series	3M™ Half Facepiece Reusable Respirator 7500 Series	3M™ Full Facepiece Reusable Respirator 6000 Series	3M™ Ultimate FX Full Facepiece Reusable Respirator FF-400 Series	3M™ Full Facepiece Reusable Respirator 7800 Series
3M™ Particulate Filters 200 Series and 2200 Series	2 pairs	2 pairs	3 pairs	4 pairs	10 pairs	15 pairs
3M™ Gas/Vapor Cartridges Cartridges 6000 Series	2 pairs	2 pairs	3 pairs	4 pairs	10 pairs	15 pairs
3M™ Combination Cartridges/P100 Particulate Filters 6000 Series	2 pairs	2 pairs	3 pairs	4 pairs	10 pairs	15 pairs
3M™ Particulate Filter 7093, P100	2 pairs	2 pairs	3 pairs	4 pairs	10 pairs	15 pairs
3M™ Particulate Filter 5000 Series	2 pairs	2 pairs	3 pairs	4 pairs	10 pairs	15 pairs

# Lockout/Tagout For Electrical Safety

## Lockout/Tagout

Lockout/tagout (LOTO) refers to specific procedures to safeguard workers from the unexpected energization or startup of machinery and equipment, or the release of hazardous energy during service or maintenance activities.

Perhaps you've got some safety padlocks and lockout tags, a small assortment of circuit breaker and valve lockout devices, and you may have even wall-mounted several lockout stations in your facility. So you should be covered for the OSHA lockout/tagout inspection, right? Maybe. Maybe not. Did you know that during OSHA's 2010 fiscal year none of the top five most frequently OSHA-cited sections of its Control of Hazardous Energy standard (29 CFR 1910.147) were specifically about the protective materials and hardware?

### Instead, the top five cited sections of concern were:

1. Failure to establish and implement a written PROGRAM
2. Failure to develop, document, and utilize PROCEDURES
3. Failure to conduct a PERIODIC INSPECTION of the energy control procedure
4. Failure to provide TRAINING as described by OSHA
5. Failure to clearly OUTLINE the SCOPE and rules to be utilized, and the means to ENFORCE compliance

Lockout compliance is first and foremost about having a sound program and machine-specific procedures in place, along with comprehensive training and effective communication for your employees. LOTO remains the #1 cited violation by OSHA for general industry, even after twenty years of enforcement. Comprehensive and thoroughly-followed LOTO programs save lives, cut costs, and improve productivity.

### 5 steps to enacting an effective energy control program

- STEP 1: Develop and document your energy control policy/program
- STEP 2: Create and post written, equipment-specific lockout procedures
- STEP 3: Identify and mark all energy control points
- STEP 4: Train your employees, communicate, and conduct periodic inspections
- STEP 5: Equip your employees with the proper lockout tools and warning devices

## STANDARDS

### OSHA 1910.147(a)(1)(i)

This standard covers the servicing and maintenance of machines and equipment in which the unexpected energization or start up of the machines or equipment, or release of stored energy, could harm employees. This standard establishes minimum performance requirements for the control of such hazardous energy.



## Cable Lockout



### North CBLOK06R

Cable Lockout Device HI VIZ Red 6ft  
Catalog # Honeywell CBLOK06R

## Circuit Breaker Lockout - Small Breaker



### Panduit PSL-CB

Small Breaker Lockout - 120/277V Breaker Lockout (6pk)

Catalog # Panduit PSL-CB



### Brady 65965

Small Breaker Lockout - 120/277V Breaker Lockout (6pk)

Catalog # Brady 65965

## Circuit Breaker Lockout - Medium Breaker



### Panduit PSL-CBNT

Medium Breaker Lockout - 480/600V Breaker Lockout (6pk) "No-Tool"

Catalog # Panduit PSL-CBNT



### Brady 65966

Medium Breaker Lockout - 480/600V Breaker Lockout (6pk)

Catalog # Brady 65966

## Circuit Breaker Lockout - Universal Multi-Pole



### Master Lock 493B

GripTite™ Circuit Breaker Lockout - for standard single and double toggles

Catalog # Master Lock 493B



### Brady 66320

Universal Multi-Pole Breaker Lockouts

Catalog # Brady 66320

## Keyed Padlocks



### Brady 99552

Red 1-1/2" Steel Shackle - Keyed Different (6pk)

Catalog # Brady 99552

## Lockout Tags



### Brady 65407

"Danger - Do Not Operate" Tag, cardstock, 5-3/4" height, 3" width

Catalog # Brady 65407

## Safety Hasp



### Brady 65376

Lockout Safety Hasps - 1.5" jaws (12/pk)

Catalog # Brady 65376

### Master Lock 420

Safety lockout hasps for up to 6 padlocks

Catalog # Master Lock 420

## Wall Switch Lockout



### Brady 65392

1/pk

Catalog # Brady 65392

### Brady 65696

6/pk

Catalog # Brady 65696

## Basic Lockout Kit

### Brady

Brady's personal basic lockout kit contains the basic devices needed to lockout common breakers, valves and plugs.

Catalog # Brady 104795



### Components

- 1 - 1/2"- 2 1/2" small ball valve lockout (BS07A)
- 1 - 1"- 2 1/2" gate valve lockout (65560)
- 1 - 120/277V clamp-on breaker lockout with cleat (65396)
- 1 - Universal multi-pole breaker lockout (66321)
- 1 - Small 110V plug lockout (65674)
- 2 - 1" Lockout hasps (65375)
- 2 - Heavy duty lockout tags (65520) with nylon cable
- 1 - Small lockout toolbox (105905)
- 2 - Keyed-alike safety padlocks



# Heat Stress

## Heat Stress - What to know

1. Know the signs and symptoms of heat stress which may include dizziness, headache, weakness, rapid heartbeat, nausea, cramps, chest pains and labored breathing
2. Wear loose, breathable clothing made of cotton and a hat and sunscreen if in the sun
3. Avoid caffeine
4. Maintain proper hydration
5. If possible, stay out of the sun
6. COOL DOWN, whenever possible

## EZ-Cool®



### Cellulose Sponge Sweatband

Catalog # PIP 396-500

#### Features

- Soft absorbent cellulose constructed from hydrophilic fibers woven into fibrous batting
- Cellulose requires water activation



### Evaporative Cooling Towel

Catalog # PIP 396-602

#### Features

- Natural evaporation provides a cooling sensation delivering comfort in warm environments
- Machine or hand washable
- Extended cooling lasts 1 to 7 days, depending upon ambient conditions



## Purified Bottled Water

Hydration is essential in high temperatures and when wearing heavy PPE equipment. Werner Electric offers purified drinking water and Sqwincher Qwik Stiks, just add a Qwik Stik to your bottled water!

Bottle Size	Werner Number	Number of Bottles
16.9 oz.	4190131	40 per case

### Hydrating 101

- Drink before, during, and after physical labor to replace lost body fluid.
- Increase water intake for high temperatures, high humidity, heavy protective clothing and difficulty of work.
- By the time thirst arises, you are already 2% dehydrated.
- Drink 5 to 7 ounces of fluids every 15–20 minutes to ensure proper hydration.
- Keep cool, clean water within easy reach at all times, so workers can reach it easily in their job area.



## Sqwincher Qwik Stik single-serve hydration solution



Package size	.11 oz.
Package yield	20 oz.
Case yield	500 stiks
Units per case	10 packs of 50 stiks
Cases per pallet	96
Ti hi	16 x 6
Case weight	5
Case cube feet	0.561
Case dimensions	10.5" x 10.25" x 9"

Flavor	Catalog #
Orange	060100-OR
Mixed Berry	060101-MB
Fruit Punch	060102-FP
Lemonade	060103-LA
Lemon-Lime	060106-LL
Grape	060107-GR

#### Advantages

- Mix with bottled water
- 16.9 oz. makes 0.5 liter
- Regular formula, easy to carry along
- On-the-go hydration – add powder to water, shake well





# Cold Stress

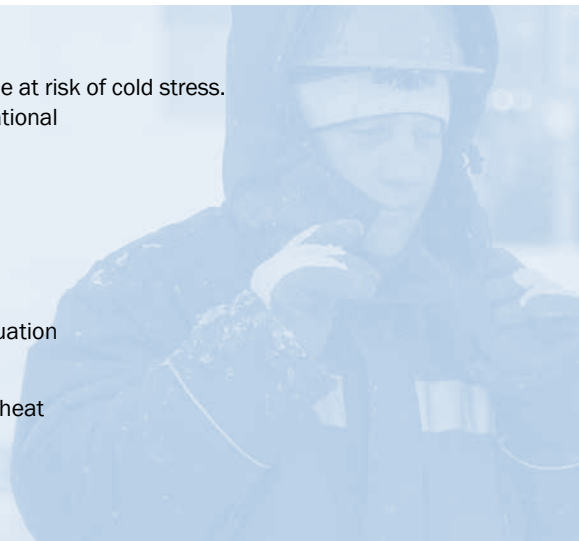


## Cold Stress - What to know

Workers who are exposed to extreme cold or work in cold environments may be at risk of cold stress. Extremely cold or wet weather is a dangerous situation that can cause occupational illness and injuries such as hypothermia, frostbite, and trench foot.

## To protect yourself

1. Monitor your physical condition and that of your coworkers
2. Wear appropriate clothing such as several loose layers for insulation
3. Be aware that clothing may restrict movement resulting in a hazardous situation
4. Protect your ears, face, hands and feet in extremely cold or wet weather
5. Wear waterproof and insulated boots and a hat to reduce the loss of body heat
6. Move into warm locations during breaks



### PIP Fleece Winter Liners

Catalog # PIP 363-1RL3QB  
Premium Mid-length

#### Features

- 100% cotton twill top with FR treatment until washed
- 100% polyethylene center layer for added warmth
- Fleece lining



### ANSI Class 3 Full Zip Hooded Sweatshirt with Black Bottom

Catalog # PIP 323-1370B-LY  
Large, X-Large

#### Features

- 10 oz. polyester fleece
- Water repellent shell
- Front hand warmer pocket
- Black bottom and cuffs



### ANSI Class 3 Value Black Bottom Bomber Jacket

Catalog # PIP 333-1740-LY  
Medium, Large, X-Large, 2X-Large

#### Features

- Durable waterproof polyester shell
- Built-in quilted high loft insulation
- Black bottom and cuffs
- 2 external slash pockets
- 1 upper chest radio pocket



### TREX™ 6310 Adjustable Ice Traction Device

16774 (L) – Shoe Size 8-11  
16775 (XL) – Shoe Size 11-14

Delivers tenacious grip and stability for shoes and boots.



### N-Ferno® 6990 Hand Warming Packs

Catalog # Ergodyne 16990  
Hand Warmers

#### Features

- Self-contained packs add heat anywhere when exposed to air
- Warms up to 8 hours



### PowerGrabs™ Thermo Seamless Knit Nylon Glove and Latex MicroFinish Grip

Catalog # PIP 41-1430  
Medium, Large, X-Large, 2X-Large

#### Features

- Acrylic gloves provide economical cold weather protection
- Excellent thermal insulation
- Superior grip in dry and wet/non-oily conditions



# High Visibility



## Winter Jacket

Catalog # PIP 333-1740

ANSI Class 3 value black bottom bomber jacket

Medium, Large, X-Large, 2X-Large



## Sweatshirt

Catalog # PIP 323-1370B

ANSI Class 3 full zip hooded sweatshirt with black bottom

Medium, Large, X-Large, 2X-Large



## Rain Jacket

Catalog # PIP 353-1000

ANSI Class 3 breathable rain jacket

Small, Medium, Large, X-Large, 2X-Large, 3X-Large, 4X-Large, 5X-Large



## Vest

Catalog # PIP 302-0750

Frogwear™ Class 2 lime mesh safety vest - zipper closure 2 inside pockets

Small, Medium, Large, X-Large, 2X-Large, 3X-Large, 4X-Large, 5X-Large



## STANDARDS

### ANSI/ISEA 107-2010

American National Standard for High Visibility Apparel and Headwear

### Overview of the Standards Classes:

**Class 1:** Workers where traffic does not exceed 25 mph and there is ample separation from the traffic. These workers often include parking service attendants, warehouse workers in traffic, shopping cart retrievers and those doing sidewalk maintenance.

**Class 2:** Workers who work near roadways where traffic exceeds 25 mph and workers who need greater visibility in inclement weather. In general, railway workers, school crossing guards, parking and toll gate personnel, airport ground crews and law enforcement personnel directing traffic.

**Class 3:** Workers with high task loads in a wide range of weather conditions where traffic exceeds 50 mph. The standard recommends these garments for all roadway construction personnel, vehicle operators, utility workers, survey crews, emergency responders, railway workers and accident site investigators.

**Class E:** When high-visibility pants are worn without other high-visibility garments, they are considered Class E. When pants are added to Class 2 or 3 garments, the ensemble is considered Class 3.

# Hearing Protection

## Hearing Protection Products



### Corded

Catalog # 3M 311-1251  
E-A-Rsoft™ Yellow Neons™ corded earplugs large  
NRR 33dB (100pr/box)



### Uncorded

Catalog # 3M 310-1001  
E-A-R™ Classic™ uncorded earplugs  
NRR 29dB

Catalog # 3M 312-1250  
E-A-Rsoft™ Yellow Neons™ uncorded ear  
plugs in poly bags  
NRR 33dB



### Reusable

Catalog # 3M 318-1003  
E-A-R™ Push-Ins™ corded earplugs  
NRR 28dB (100pr/box)

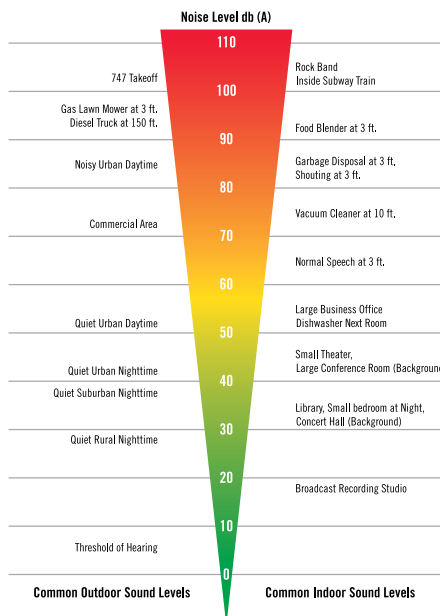


### Metal Detectable

Catalog # 3M 311-4106  
E-A-Rsoft™ metal detectable corded earplugs  
(200pr/box)

Ask Werner Electric about setting up the following services to enhance your safety program

- Hearing Conservation Seminars
- E-A-Rfit™ Validation
- Noise Indication & Sound Detection Equipment



## STANDARDS

### OSHA 1910.95

Occupational noise exposure

### OSHA 1910.95(c)(1)

The employer shall administer a continuing, effective hearing conservation program whenever employee noise exposures equal or exceed an 8-hour time-weighted average sound level (TWA) of 85 decibels measured on the A scale (slow response) or, equivalently, a dose of fifty percent. For purposes of the hearing conservation program, employee noise exposures shall be computed in accordance with appendix A and Table G-16a, and without regard to any attenuation provided by the use of personal protective equipment.

### OSHA 1910.95(i)(3)

Employees shall be given the opportunity to select their hearing protectors from a variety of suitable hearing protectors provided by the employer.



# 3M

# Safety Cabinets and Spill Containment



## Safety cabinets

Improper storage and handling of flammable liquids is the leading cause of industrial fires. The use of approved safety cans is your first layer of protection against fire. Storage of safety cans in approved safety cabinets provides a second layer of protection. Safety cabinets are designed to protect the contained flammable liquids for a period of 10-minutes, giving an employee time to exit in case of fire.

## Spill Prevention, Control, and Countermeasure (SPCC) rule

The Spill Prevention, Control, and Countermeasure (SPCC) rule includes requirements for oil spill prevention, preparedness, and response to prevent oil discharges to navigable waters and adjoining shorelines. The rule requires specific facilities to prepare, amend, and implement SPCC Plans. The SPCC rule is part of the Oil Pollution Prevention regulation, which also includes the Facility Response Plan (FRP) rule.

## Ask about Justrite's STUD-E survey

Justrite's free consultative survey, known as STUD-E for Storage, Transfer, Use, Disposal, and Evaluation of flammable liquids — addresses the inherent concerns with handling volatile hazardous liquids. The results prevent catastrophic fires, protect your employees from potential injuries or death, protect the environment to meet sustainability initiatives, and assure compliance to OSHA and EPA regulations.

Contact your local Werner Electric representative for a free evaluation!

## How can Werner Electric assist?

### Our full line of products helps keep your facility compliant

- Safety cabinets
  - Flammables
  - Combustibles
  - Corrosives
  - Pesticides
  - And more
- Storage/security products for
  - Valuables, compressed gas, supplies, etc.
- Spill containment
  - Pallets
  - Caddy
  - Platforms
- Safety drums and accessories
- Safety cans



## STANDARDS

### OSHA 29 CFR 1910.106 Hazardous Materials

### OSHA 29 CFR 1910.106(e)(2)(ii)(b)

Incidental storage or use of flammable and combustible liquids.

(b) The quantity of liquid that may be located outside of an inside storage room or storage cabinet in a building or in any one fire area of a building shall not exceed:

- (1) 25 gallons of Class IA liquids in containers
- (2) 120 gallons of Class IB, IC, II or III liquids in containers
- (3) 660 gallons of Class IB, IC, II or III liquids in a single portable tank

### EPA 40 CFR 264.75

Container storage areas must have a containment system that has sufficient capacity to contain 10% of the volume of containers or the volume of the largest container, whichever is greater.



# Ergonomic Matting

High performance matting is available for every area of your facility. Product selection includes anti-fatigue, entryway mats and water absorption mats.



- Nitrile rubber top surface has 20% recycled content
- Closed cell Nitrile blended cushion is permanently molded (not glued) to the Nitrile rubber top surface
- Rubber borders will not crack or curl
- Chemical resistant, grease, and oil proof
- Electrically conductive
- Welding safe
- 5/8" and 7/8" thickness
- Borders are beveled and are available with OSHA approved colors: yellow, orange, green, or red
- Recommended for distribution, manufacturing and retail facilities for picking lines, assembly lines, work stations, check-out stations, and more



## Black border (5/8" - Product No. 421 or 7/8" - Product No. 422)

Black border size	Size Approx. In.	Shipping Wt. (lbs.)
2 x 3	24 x 33	7
3 x 5	33 x 58	16
3 x 12	33 x 142	37
4 x 6	46 x 69	26
4.8 x 8	58 x 95	45

## Striped border (5/8" - Product No. 423 or 7/8" - Product No. 424)

Striped border size	Size Approx. In.	Shipping Wt. (lbs.)
2 x 3	24 x 33	7
3 x 5	33 x 58	16
3 x 12	33 x 142	37
4 x 6	46 x 69	26
4.8 x 8	58 x 95	45

### Striped Border Colors

01 - Red, 02 - Yellow, 03 - Orange, 04 - Green

### Facility matting survey program:

- Facility walk-through
- Product education and selection
- Product placement and layout

Contact your local Werner Electric representative for more details.

# First Aid

## SmartCompliance™ by First Aid Only™

### An unparalleled business solution

Most businesses are federally mandated to have first aid solutions that are compliant with OSHA as well as ANSI standards.

The SmartCompliance™ Program can ensure you're covered.

With three integrated components, SmartCompliance™ is easy to use, saves you money and makes sure your business complies with federal and state OSHA regulations for your industry classification.



**ANSI 2015 Compliant**



**Customizable Content**



**SmartTab ezRefill System**

### SmartCompliant Cabinet

1001-FAE-0103 Business First Aid Plastic Wall-Mount Cabinet with Carry Handle

Cabinet includes	Catalog #	Catalog #
1 - Patch Plastic Bandage, 1-1/2" x 1-1/2", 10/bx	FAE-3000	
1 - Fabric Bandage, 1" x 3", 25/bx	FAE-3001	2 - BZK Antiseptic Towelettes, 10/bx
1 - Plastic Bandage, 3/4" x 3", 25/bx	FAE-3004	1 - Castile Soap Towelettes, 10/bx
1 - Fingertip Fabric Bandage, 10/bx	FAE-3006	1 - First Aid/Burn Cream, 10/bx
1 - Knuckle Fabric Bandage, 10/bx	FAE-3008	1 - Antibiotic Ointment, 10/bx
1 - Elastic Bandage Wrap, 2" x 5yd., 1/bx	FAE-3009	1 - First Aid Tape, 1/2" x 10yd., 1/bx
1 - Butterfly Wound Closure, 10/bx	FAE-5010	1 - Scissors
1 - Triangular Sling/Bandage, 40" x 40" x 56", 1/bx	FAE-6007	1 - Moleskin (blister prevention), 2", 10/bx
1 - Gauze Dressing Pad, 2" x 2", 10 pads	FAE-5000	1 - First Aid Guide
1 - Gauze Dressing Pad, 3" x 3", 10 pads	FAE-5005	1 - Exam-Quality Vinyl Gloves, 4/bx
1 - Conforming Gauze Roll, 2", 1/bx	FAE-5002	1 - Stainless Steel Tweezers
1 - Conforming Gauze Roll, 3", 1/bx	FAE-5006	1 - CPR Face Shield and Vinyl Gloves Set
1 - Trauma Pad, 5" x 9"	FAE-5012	
1 - Alcohol Cleansing Pad, 20/bx	FAE-4001	

\* Order refills using catalog numbers listed in table above

### First Aid Kits

First-Aid 222-U - 10 Person First Aid Kit

First-Aid 224-U - 25 Person First Aid Kit







# SAFETY SOLUTIONS

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