

## **SALISBURY**

by Honeywell

# YOUR SINGLE SOURCE FOR INDUSTRIAL ELECTRICAL PROTECTION



# Stay Compliant with **OSHA** UPDATES

On April 1, 2014, OSHA announced a final rule revising the standards for electric power generation, transmission, and distribution. Prior to this revised rule, arc flash protective clothing was subject to limited regulation and was primarily driven by standards such as NFPA70E and NESC. Look to Salisbury to provide your arc flash protective clothing required by the OSHA Ruling.

Below is a summary of the final ruling. There are 5 key areas of focus:

#### EMPLOYERS AND TRAINING

- Host and contract employers must share information with each other on safety related matters.
- Required training will be determined by the risk to the employee.

#### **FALL PROTECTION**

- Workers must use fall protection when changing location on towers, poles, or similar structures.
- Fall protection equipment must be capable of passing a drop test after exposure to electric arcs of 40±5 cal/cm² to protect workers from fall after exposure to flames or arc flashes.
- Equipment must be set up so workers can free fall no more than .6 meters.

#### MINIMUM APPROACH DISTANCES

- OSHA to provide a Minimum Approach Distance Calculator on its website.
- MAD will be effective in elevations less than 3,000 feet with systems of 72.5 kV or less.

#### ARC FLASH HAZARD ANALYSIS

- "NFPA 70E-2004 Table 130.7(C)(9)(a) is a proposed method by OSHA for establishing PPE based on their minimum required arc ratings."
- Employers must provide all available information that relates to the determination of existing characteristics and conditions.

#### FR AND ARC RATED CLOTHING

- FR clothing is defined as clothing that does not melt, ignite, or contribute to the injury of the wearer.
- Arc rated clothing is required whenever the calculated energy is greater than 2.0 cal/cm<sup>2</sup>.
- Arc rated clothing must cover the entire body with exception for hands, feet, and head protection.
- If employees face a single phase, open air exposure 9-12 cal/cm², a face shield is required; exposures greater than 13 cal/cm² require a faceshield + balaclava or arc rated hood.
- If employees face a three phase exposure 5-8 cal/cm², a face shield is required; exposures greater than 9 cal/cm² require a faceshield + balaclava or arc rated hood.

#### **EFFECTIVE DATES:**

July 10, 2014

Ruling goes into effect

October 31, 2014

**Enforcement begins** 

Flame Resistant clothing required

**January 1, 2015** 

Arc Flash Hazard Analysis is required

**April 1, 2015** 

Arc flash protection programs required

Arc flash clothing required

New calculated Minimum Approach Distances required

**Fall Protection required** 





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Limited Warranty ......98



by Honeywell



## SALISBURY

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- AFHOOD's, PRO-HOOD® and Protective Nets

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S.I.P. Insulated Hand Tools

#### HELPING TO MEETYOUR NEEDS.

Salisbury is the most complete Personal Protective Equipment (PPE) provider for all electrical workers. The need for a comprehensive electrical safety program that's easy to use has never been more critical.

The NFPA 70E Standard and OSHA Regulations have been established to protect workers from electrical shock and arc flash hazards and to educate workers about the protection needed from these dangers.

For example, the NFPA 70E Standard specifies areas where arc flash protection is required for workers involved in the maintenance of energized or potentially energized electrical equipment. All personnel within the defined boundaries must wear specified protective equipment, even on circuits as low as 50 volts.

#### The NFPA 70E Standard and OSHA Regulations MUST be met, and Salisbury has made it easy to meet them.

To ease the burden of meeting all the necessary safety standards and requirements, we've developed convenient Personal Protective Equipment Kits. All of the arc flash and shock protection PPE kits meet the safety standards categorized by the PPE Category for each job.

Salisbury electrical safety products are tested and comply with ASTM (American Society for Testing and Materials) standards and regulations.

Only Salisbury can provide the complete list of Personal Protective Equipment required to protect workers against electrical hazards as defined by OSHA Regulations and the NFPA 70E Standard for Electrical Safety in the Workplace.

Salisbury is the world leader in Electrical Safety PPE and live line tools. For over 150 years, our products have helped protect electrical workers from the hazards of their job.

#### SALISBURY HAS YOU COVERED, FROM HEAD TO TOE.



**SALISBURY** is a Platinum Level Training Partner

#### **DID YOU KNOW?**

- 3 of OSHA's top 10 most frequently cited standards are electrical
- 97% of electricians have been shocked or injured on the job.
- Every 30 minutes during the work day, a worker suffers an electrically induced injury that requires time off the job for recovery.
- Over the last ten years, more than 46,000 workers have been injured from on-the-job electrical hazards.
- Medical costs for severe electrical burns can exceed \$4M per person.
- Work-related injuries can cost businesses well over \$30M in fines, medical costs, litigation, lost business and equipment costs.

## HAVE SALISBURY ASSESSMENT SOLUTIONS WORK FOR YOU.

Contact your local Salisbury representative or visit ArcSafety.com and request a FREE quote to get started.











#### **SERVICES**

Salisbury Assessment Solutions (SAS) provides a full range of services to ensure your compliance with NFPA 70E and ASTM F18 standards as well as OSHA government regulations. Our goal is to assist you in the process of creating, implementing and maintaining an electrical safety program.

Keeping your employees safe involves a thorough assessment of your facility, its hazards and potential risk levels. The purpose of an Arc Flash Risk Assessment is to determine how much danger is present and what electrical personal protective equipment (PPE) is required to protect your workers.

An electrical safety program audit can provide the baseline on what your electrical safety program needs to meet the NFPA 70E, ASTM F18 standards and OSHA regulations. Results of the audit allow you to create goals for the future state or development of your program. SAS can support and guide you toward meeting those goals through the numerous additional services offered. We can offer all of the tools you need to achieve the defined goals of your electrical safety program.

#### SAFETY TRAINING

Our training offerings include NFPA 70E and OSHA compliance, certification for electrical worker qualification, PPE training, electrical safe work practices and more. Our seminars, conferences and trade shows also provide additional learning opportunities. Our goal is to provide ongoing and continuous learning opportunities for you and your employees to ensure the safest possible working environment.

#### **RESOURCES**

Salisbury Assessment Solutions provides a full range of services, training opportunities and resources for safety professionals seeking to create, implement and maintain a written electrical safety program. We strive to provide a community of safety leaders with relevant news, information and resources.

Our goal is to support you with the knowledge, tools and services you need to lead your team to complete electrical safety compliance. Available resources include videos, articles, news, literature and more.

#### **EDUCATION**

Salisbury Assessment Solutions offers a wide range of educational opportunities. We invite you to attend our training sessions, regional seminars and trade shows to learn more about electrical safety and work practices. Our goal is to educate safety leaders and electrical professionals to ensure safe work practices are understood and implemented as well as keeping up with all the very latest changes regarding the many electrical standards.

## SAS IS YOUR SINGLE SOURCE FOR ELECTRICAL SAFETY PROGRAM SUPPORT AND COMPLIANCE

To learn more about electrical safety, news and upcoming events visit www.arcsafety.com

### **COMMITTED TO SAFETY**

Salisbury by Honeywell is the world leader in electrical safety PPE. For over 160 years, our products and services have helped keep electrical workers safe on the job. Our protective clothing and tools save lives by enabling electrical workers to operate safely in hazardous conditions.

Hundreds of deaths and thousands of injuries occur each year due to shock and arc flash. Almost all of these tragic events are preventable. The NFPA 70E Standard for Electrical Safety in the Workplace provides guidelines and principles to follow to ensure worker and workplace safety. NFPA 70E is the guideline for compliance with OSHA 1910 Subpart S and OSHA 1926 Subpart K.

OSHA takes electrical safety seriously with nearly 100 standards that are deemed necessary for the practical safeguarding of employees in their workplaces. Of OSHA's top 10 list of most frequently cited violations, 3 of the standards are electrical.

We are committed to your protection, and that means more than head to toe personal protective equipment, or PPE. It means a safer workplace that mitigates risk.

It also means expert training, engineering services, safety audits and a complete electrical safety program for your workplace that ensures your compliance with OSHA, ASTM and NFPA 70E standards and regulations.

**Salisbury Assessment Solutions (SAS)** offers a team of electrical engineers and safety experts offering individualized services to meet your needs for electrical safety compliance and to help you achieve your electrical safety program goals.

SAS offers electrical hazard risk assessments, arc flash risk assessments, compliance support, electrical engineering, assistance and support with written electrical safety programs and electrical training. SAS is a customized service that can meet the unique needs of each customer.

No matter what stage in the process of developing a safe and compliant workplace you are in, SAS can help.



#### SALISBURY ASSESSMENT SOLUTIONS - SERVICES

#### SALISBURY ASSESSMENT SOLUTIONS AVAILABLE OFFERINGS

- · Arc Flash Risk Assessments
- Electrical Hazard Risk Assessments
- Electrical Engineering
- Written Electrical Safety Program Assistance & Support
- Thermography
- Assistance with Personal Protective Equipment Selection
- NFPA 70E Compliance Support

#### ARC FLASH RISK ASSESSMENT

An arc flash is an explosion of electrical energy that can cause substantial damage, injury and death. Analyzing the arc flash hazards is critical to the worker and workplace safety. NFPA 70E calls for an arc flash hazard analysis and risk assessment procedure to maintain a safe workplace.

An arc flash risk assessment, per NFPA 70E, is a study investigating a worker's potential exposure to arc flash energy. This is conducted for the purpose of injury prevention as well the confirmation of safe work practices. The determination of the arc flash boundaries and the appropriate levels of personal protective equipment (PPE) needed are critical deliverables of an arc flash risk assessment.

There are three steps to completing an arc flash hazard analysis as outlined by NFPA 70E Article 130.5 (2015 Edition):

- 1. Arc Flash Boundary When an arc flash hazard exists, distance a person can receive a 2nd degree burn from an arc flash source is the arc flash boundary. This is noted with an arc flash label placed on the electrical equipment. Incident energy and arc flash boundary calculation methods are provided in Annex D.
- 2. PPE for Application Within an arc flash boundary, the amount of personal protective equipment (PPE) is based on either an incident energy analysis or Hazard/Risk Categories. Table H.3(b) in Annex H of the NFPA 70E offers information on selection of arc-rated clothing and other PPE.

When it comes to selecting Arc Flash PPE, only 1 of the following methods shall be used for the selection of PPE. (The results of an incident energy analysis to specify an arc flash PPE Category in Table 130.7(C)(16) shall not be permitted.)

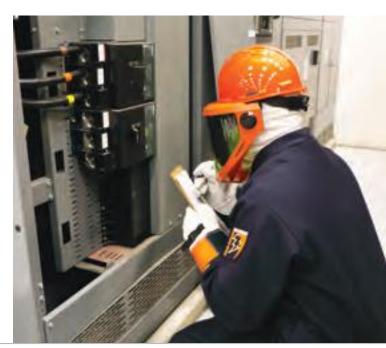
(1) Incident Energy Analysis Method. The incident energy exposure level shall be based on the working distance of the employee's face and chest areas from a prospective arc source for the specific task to be performed. Arc-rated clothing and other PPE shall be used by the employee based on the incident energy exposure associated with the specific task. Recognizing that incident energy increases as the distance from the arc flash decreases, additional PPE shall be used for any parts of the body that are closer than the distance at which the incident energy was determined.

Informational Note: For information on estimating the incident energy, see Informative Annex D. For information on selection of arc-rated clothing and other PPE, see Table H.3(b) in Informative Annex H.

- (2) Arc Flash PPE Categories Method. The requirements of 130.7(C)(15) and 130.7(C)(16) shall apply when the arc flash PPE category method is used for the selection of arc flash PPE.
- **3. Equipment Labeling -** Electrical equipment that is likely to require examination, adjustment, servicing or maintenance shall be field marked with a label containing the following:
  - (1) Nominal system voltage
  - (2) Arc flash boundary
  - (3) At least one of the following:
  - a. Available incident energy and the corresponding working distance, or the arc flash PPE category in Table 130.7(C) (15)(A)(b) or Table 130.7(C)(15)(B) for the equipment, but not both
  - b. Minimum arc rating of clothing
  - c. Site-specific level of PPE

The process of data collection, calculation, analysis, PPE selection and labeling are critical and complex tasks. The best way to avoid compliance and regulation issues and protect your workers is to allow an experienced, qualified electrical engineering team complete the analysis and work with you on creating and maintaining an electrical safety program.

SAS has a highly trained team of experts that will work with you every step of the way toward an electrically safe workplace. SAS offers services that ensure your workplace is compliant and that your workers are protected.



#### **ELECTRICAL HAZARD RISK ASSESSMENTS**

Salisbury's Electrical Hazard Risk Assessment is a thorough data collection process that allows us to understand your site, its equipment and the specific needs within your facility. After the data collection has been completed, Salisbury will provide a gap analysis. The gap analysis will allow us to offer a complete site assessment that explains potential hazards and recommendations for improving your program. SAS will assist you every step of the way.

These electrical hazard risk assessments are especially important in electrical environments due to the risk of arc flash. A hazard risk assessment and the use of appropriate PPE is a requirement by OSHA 29 CFR 1910.132(d): (1) The employer shall assess the workplace to determine if hazards are present, or are likely to be present, which necessitate the use of personal protective equipment (PPE).

#### **ELECTRICAL ENGINEERING**

An unsafe environment puts your workers and electrical equipment at risk. Electrical incidents can result in injury, costly repairs, penalties and even death. Companies can protect their workers, equipment and their bottom line by hiring an electrical engineering team like Salisbury Assessment Solutions to analyze their equipment.

SAS begins by performing a short circuit analysis and time current coordination study to evaluate your equipment and the risks it presents to your workplace. SAS will analyze the data to provide engineered solutions to improve the safety and efficiency of your electrical system.

Reliable equipment creates a safer more efficient workplace and lowers operating costs. SAS has licensed electrical engineers who can find ways to make your electrical system safer and more efficient.

## ASSISTANCE WITH PERSONAL PROTECTIVE EQUIPMENT SELECTION

The arc flash risk assessment allows for calculation of Arc Flash Incident Energy levels (AFIE). The arc flash PPE categories (1 - Dangerous) determine the amount of protective clothing and personal protective equipment. Table 130.7(C)(16) in the NFPA 70E carefully outlines the requirements for each category.

Salisbury is the world leader in electrical safety PPE. Our SAS team understands the requirements and can help you with all aspects of PPE including:

- PPE Selection SAS and the Salisbury team are experts in electrical PPE and can assist and ensure the proper electrical PPE is selected.
- Testing, Care & Maintenance Helping you understand the equipment you need and how to care for it. PPE generally requires periodic testing and a maintenance plan for each piece to ensure that it will properly protect the worker.
- Electrical Safety Training—PPE should be inspected prior to each use and tested regularly. SAS can educate your staff on PPE testing and how to use their PPE.



#### **SALISBURY ASSESSMENT SOLUTIONS - SERVICES**

## WRITTEN ELECTRICAL SAFETY PROGRAM ASSISTANCE & SUPPORT

SAS has a dedicated team to assist you in developing and defining a corporate electrical safety program for your organization. Our goal is to help you establish a program that is manageable and enforceable so that you can ensure company-wide compliance as well as consistency in regards to safety across your entire business. Whether starting from scratch or looking to refresh your existing program, SAS can help.

#### **THERMOGRAPHY**

All electrical equipment is rated based on the maximum temperature that each component can safely be operated. As we know, electrical current flowing through any conductor or component produces heat and since the amount of heat produced varies, the ability of the conductor or component to dissipate that heat into the ambient environment is paramount. Electrical components operating at elevated temperatures will cause accelerated deterioration of both the component and the insulation protecting the component. Thermographic scanning of electrical components can identify these elevated temperatures and indicate the necessity for corrective action before a failure.

Thermography uses infrared cameras to measure temperature or excessive heat build-up. This method is not only accurate, but cost-effective and noninvasive. Maintenance personnel and engineers have long used thermography as it is very beneficial in detecting loose connections, damaged or overloaded components, and weak or poor wiring. This routine inspections and reporting can save a company from having to deal with emergency situations where equipment fails and production comes to a halt.

By combining your on-site data collection (done during the arc flash risk assessment) and thermal imaging, your costs per service are reduced as the panels only need to be accessed one time.

#### NFPA 70E COMPLIANCE SUPPORT

SAS has a staff of highly experienced loss control and risk managers. They can assist you in avoiding OSHA fines and citations. If you have already been cited or are involved in a worker's compensation claim, the SAS staff can assist you in meeting all requirements to help mitigate penalties and reduce possible costs on claims.

SAS is here to work with you to prevent injury and penalty by helping you establish and maintain a complete electrical safety program.

#### NFPA 70E DEFINES A QUALIFIED PERSON AS FOLLOWS:

One who has skills and knowledge related to the construction and operation of the electrical equipment and installations and has received safety training to recognize and avoid the hazards involved.

#### NFPA 70E Article 110.6(D)(1)

- (a) Such persons shall also be familiar with the proper use of the special precautionary techniques, personal protective equipment, including arc-flash, insulating and shielding materials, insulated tools and test equipment. A person can be considered qualified with respect to certain equipment and methods but still be unqualified for others.
- (b) Such persons permitted to work within the Limited Approach Boundary of exposed energized electrical conductors and circuit parts operating at 50 volts or more shall, at a minimum, be additionally trained in all of the following:
  - (1) The skills and techniques necessary to distinguish exposed energized electrical conductors and circuit parts from other parts of electrical equipment
  - (2) The skills and techniques necessary to determine the nominal voltage of exposed energized electrical conductors and circuit parts
  - (3) The approach distances specified in Table 130.2(C) and the corresponding voltages to which the qualified person will be exposed
  - (4) The decision-making process necessary to determine the degree and extent of the hazard and the personal protective equipment and job planning necessary to perform the task safely
- (c) An employee who is undergoing on-the-job training and who, in the course of such training, has demonstrated an ability to perform duties safely at his or her level of training and who is under the direct supervision of a qualified person shall be considered to be a qualified person for the performance of those duties.
- (d) Tasks that are performed less often than once per year shall require retraining before the performance of the work practices involved.
- (e) Employees shall be trained to select an appropriate voltage detector and shall demonstrate how to use a device to verify the absence of voltage, including interpreting indications provided by the device. The training shall include information that enables the employee to understand all limitations of each specific voltage detector that may be used.

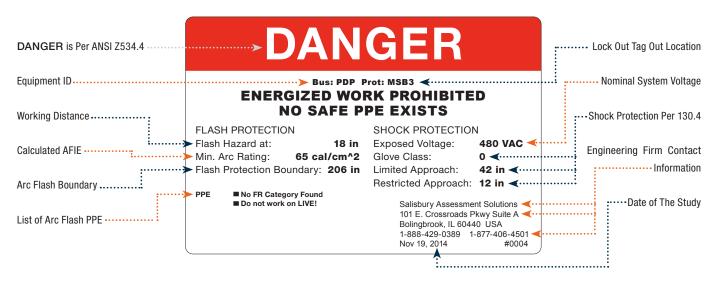
#### **NOT SURE YOU NEED SAS?**

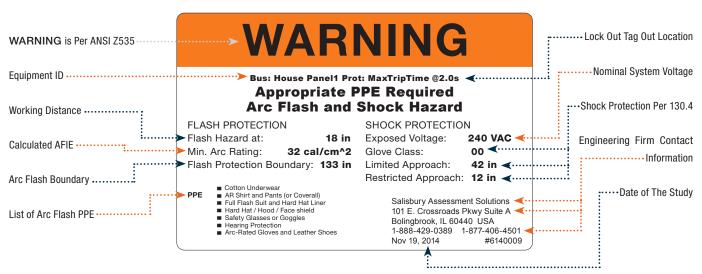
Look over our evaluation to see if SAS is right for you at ArcSafety.com.

#### **ARC FLASH LABELS PER NFPA 70E 130.5**

#### \* ARE YOUR LABELS UP TO DATE?

NFPA 70E requires an updates to your study every five years, or when there is a major modification to your distribution system. This would include updating labels to the current standard. Please see NFPA 70 2015 for additional information or contact Salisbury.





\* AFIE - Arc flash incident energy (quantity of heat produced by an arc flash)



#### SALISBURY ASSESSMENT SOLUTIONS - SERVICES

#### **ON-SITE TRAINING**

An essential element of any electrical safety program is professional training. When employers invest in continuous education for their employees, the result is a safer workplace. Salisbury Assessment Solutions offers on-site seminars to develop and enhance employee knowledge and confidence levels.

Companies that have invested in Salisbury's educational trainings and seminars realize the benefits in having a workforce where employees are educated to better understand codes, standards, regulations and safe work practices.

Electrical safety courses are available for both qualified and unqualified electrical workers. Courses are also available on the selection and maintenance of PPE. SAS has expert trainers with the credentials and industry knowledge to provide training that ensures a safe workplace.

## ARC FLASH AND SHOCK HAZARD FOR NON-MAINTENANCE PERSONNEL

#### 2 HOURS -AFT1002

The purpose of this session is to provide training on NFPA 70E Article 130. This training is for personnel who are required to function near or interface with electrical equipment but are not qualified to be within the approach boundaries specified in NFPA 70E.

## ARC FLASH AND SHOCK HAZARD FOR MAINTENANCE PERSONNEL

#### 4 HOURS - AFT1004

The purpose of this session is to provide training on NFPA 70E Article 130. This training is for personnel who are required to examine, adjust, service or maintain electrical equipment while it is energized and meet the standards required for qualified personnel as defined in NFPA 70E.

#### **OSHA 10-HOUR FOR THE ELECTRICAL INDUSTRY\***

#### 10 HOURS - OSHA10

The purpose of this multi-day session is to provide a safer work environment and protect electrical workers by keeping them informed about OSHA's latest standards, regulations and best practices. This 10-hour program is OSHA's basic safety outreach class and is designed to introduce workers to a variety of general industry guidelines and requirements with an emphasis placed on those sections of 29 CFR 1910 which are appropriate for workers who work on or near electrical power systems. After completion, participants will receive an OSHA 10 hour card.

\* The OSHA 10 card may be a requirement of your facility or one of your customer's facilities (i.e. steel mills, utility power plants, heavy industrials, etc.)

#### WHAT YOU WILL LEARN

#### SAS TRAININGS COVER A VARIETY OF TOPICS

- · How to keep one-lines up to date
- What is involved in performing an engineering study
- The differences of doing an arc flash risk assessment versus using the NFPA 70E tables
- Gain knowledge on how mitigation can reduce your arc flash PPE category levels to 1 - 2
- When existing arc flash labels need to be replaced
- How long an arc flash risk assessment is valid
- What to consider when adding a circuit or service entrance
- How to perform an arc flash risk assessment in accordance with the latest codes and standards
- And much more.....

#### **REGIONAL TRAININGS**

Trainings can be hosted at your location, at another local facility of your choosing or at one of the following Honeywell training centers:

Albuquerque, NM Allentown, PA Anniston, AL Bolingbrook, IL Cincinnati, OH Clearwater, FL Colorado Springs, CO Columbia, MD Fombell, PA Fresno, CA Greer, SC Houston, TX Memphis, TN Kansas City, MO Minneapolis, MN Morristown, NJ Phoenix, AZ Plymouth, MN

<sup>\*\*</sup> All electrical safety trainings are also available in Spanish.



<sup>\*</sup> If your location does not appear above, please contact us for activity in your area.

## **FACE, HEAD & NECK PROTECTION**



#### **AS2000HAT PROTECTIVE FACE SHIELD**

#### 12-20 CAL/CM<sup>2</sup> WEIGHT BALANCING ARC FLASH PROTECTION FACE SHIELD

**AS2000HAT** - Salisbury by Honeywell's NEW revolutionary AS2000HAT is a Weight Balancing Arc Flash Protection Face Shield. The shield stows in a balanced, compact position, centered over the top of the hard hat when not in use. The AS2000HAT has an ATPV rating of 20 cal/cm² and utilizes nanotechnology to provide a clearer, more transparent window for improved visibility. The face shield unit includes ventilation ribs that allow a natural convection air flow through the top of the face shield. This reduces fogging of the visor, lowers CO2 levels and improves comfort.

#### **AS2000HAT SERIES**

7.5" x 20" Viewing area
Extra light tint
.06" Thick
Absorbs >99.9% of harmful UV radiation
Resistant to fogging
Meets current ANSI Z87.1 and is CSA standard compliant
Tested to ASTM F2178 specifications

**AS1200HAT** - Salisbury by Honeywell's revolutionary AS1200HAT is a Weight Balancing Arc Flash Protection Face Shield, that stows in a balanced, compact position, centered over the top of the hard hat when not needed. The AS1200HAT has an ATPV rating of 12 cal/cm² and utilizes nanotechnology to provide a more transparent window for improved visibility. The shield/window is designed to be easily replaced without tools. The face shield unit includes ventilation ribs that allow a natural convection air flow through the top of the face shield. This reduces fogging of the visor, lowers CO2 levels and improves comfort for the user.











#### **AS1200 SERIES**

7.5" x 20" Viewing area
Extra light tint
.06" Thick
Absorbs >99.9% of harmful UV radiation
Resistant to fogging
Meets current ANSI Z87.1 and is CSA standard compliant
Tested to ASTM F2178 specifications

CAT. NO.	DESCRIPTION
AS2000HAT	20 cal/cm², arc flash protection face shield unit w/SA79R03 hard hat
AS2000HAT-CLR	20 cal/cm², arc flash protection face shield unit w/SA79R03 hard hat and transparent chin guard
AS2000	20 cal/cm², arc flash protection face shield unit
AS2000FB	20 cal/cm², arc flash protection face shield unit for full brim hard hats
AS2000FS	Replacement face shield/window
AS1200HAT	12 cal/cm <sup>2</sup> weight balancing arc flash protection face shield unit w/hard hat
AS1200HAT-CLR	AS1200HAT w/ transparent chin guard
AS1200PPC	12 cal/cm² weight balancing arc flash protection face shield unit. Made of Premium Polycarbonate with permanent anti-fog/anti-scratch coating
AS1200CLR-PPC	12 cal/cm <sup>2</sup> weight balancing arc flash protection face shield unit with transparent chin protector Made of Premium Polycarbonate with permanent anti-fog/anti-scratch coating
AS1200	12 cal/cm <sup>2</sup> weight balancing arc flash protection face shield unit.

NOTE: IN ORDER TO ACHIEVE 360 DEGREE 20 CAL/CM<sup>2</sup> PROTECTION, A 20 CAL/CM<sup>2</sup> BALACLAVA MUST BE WORN.

*NFPA 70E:* AN ARC RATED HOOD SHALL BE USED WHEN THE ANTICIPATED INCIDENT ENERGY EXPOSURE EXCEEDS 12 CAL/CM<sup>2</sup>.

#### **AS1200 UNIVERSAL FIT PROTECTIVE FACE SHIELD**

#### FOR FULL OR FRONT BRIM - HRC 2

12 CAL/CM<sup>2</sup>

**UNIVERSAL FIT AS1200FB & AS1200U** - Salisbury by Honeywell's NEW revolutionary AS1200FB and AS1200U are weight balancing arc flash protection face shield that fit ALL popular full brim (AS1200FB) or front brim (AS1200U) hard hats.

The AS1200FB and AS1200U assembly attaches to the full or front brim hard hat with an elastomeric band that secures the bracket onto the brim. All parts are dielectric and specifically designed for arc flash protection.

The AS1200FB and AS1200U have an ATPV rating of 12 cal/cm $^2$  (NFPA 70E HRC 2) and utilizes nanotechnology and an anti-fog coating, to provide a clearer, more transparent window for improved visibility. The face shield unit includes an upper bracket ventilation feature that allows a natural air flow through the top of the face shield. This reduces fogging of the visor, lowers  ${\rm CO}_2$  levels and improves comfort for the user.

#### **OPTIONAL ACCESSORIES**

#### TRANSPARENT CHIN GUARD

The Transparent Chin Guard dramatically increases the user's peripheral view. The enhanced viewing area increases worker performance and productivity. The highly-transparent chin guard allows improved awareness and greater safety.





#### **REVOLUTIONARY AS1200FB & AS1200U**

7.5" x 20" Viewing area

Extra light tint

.06" Thick

Absorbs >99.9% of harmful UV radiation

Resistant to fogging

Meets current ANSI Z87.1 and tested to ASTM F2178 specifications

Unique weight balancing design

Optional task light feature

Replaceable window, no tools required

AS1200FB fits all popular full brim hard hats

AS1200U fits all popular front brim hard hats

Ventilated design

Adjustable pivot tension

Can be easily removed from the hard hat

One hand operation



#### **OPTIONAL ACCESSORIES**

# PROVED NOW 35 LUMENS























## SALISBURY ADVANTAGE ANTI-FOG LENS



#### PROTECTIVE FACE SHIELD OPTIONAL ACCESSORIES

#### **AFLENS ANTI-FOG INNER LENS**

- Includes an air spaced design that decreases fogging
- Natural convection air flow design also helps minimize fogging
- Shield meets the ASTM requirements for an Anti-Fog Lens

#### ASFL FLAME RESISTANT ATTACHABLE TASK LIGHTS

The arc tested ASFL arc rated task light features a high intensity long lasting white LED lamp with an overall brightness of 35 lumens. From a 24 inch distance, the beam is approximately 6-7 inch in diameter. The high intensity illumination is very useful when working up close. 2 AAA batteries provide 14-15 hours of high brightness.

NOTE: The AS1200HAT can hold 2 ASFL task lights. The FLKIT only contains 1 task light and 1 clip.

#### **AS12CLR TRANSPARENT CHIN GUARD**

The AS12CLR Transparent Chin Guard dramatically increases the user's peripheral view. The enhanced viewing area increases worker performance and productivity. The highly transparent chin guard allows improved awareness and greater safety.

CAT. NO.	DESCRIPTION
AS1200	Weight balancing arc flash protection face shield unit
AS1200FB	12 cal/cm², Universal fit, arc flash protection face shield unit for full brim hard hats
AS120RG-FB	Orange chin guard for AS1200FB
AS12CLR-FB	Transparent chin guard for AS1200 series full brim
AS1200FS-FB	Replacement face shield/window 12 cal/cm² for AS1200FB full brim
AS1200U	12 cal/cm², Universal fit, arc flash protection face shield unit for front brim hard hats
AS1200FS	Replacement window for AS1200 series front brim
AS1200HAT	Weight balancing arc flash protection face shield unit w/ hard hat
AS1200HAT-CLR	AS1200HAT w/ transparent chin guard
AFLENS	Anti-fog inner lens
ASFL	Arc rated attachable task light (1)
AS12CLIP	Replacement clips set (2) for AS1200HAT shield
FLCLIP	Attachable task light clip (1)
FLKIT	Attachable task light (1) & FLCLIP
AS12CLR	Transparent chin guard
AFLENSU	Inner Anti-Fog Lens for PRO-HOOD®





NOTE: IN ORDER TO ACHIEVE 360 DEGREE 20 CAL/CM2 PROTECTION, A 20 CAL/CM2 BALACLAVA MUST BE WORN. NFPA 70E: AN ARC RATED HOOD SHALL BE USED WHEN THE ANTICIPATED INCIDENT ENERGY EXPOSURE EXCEEDS 12 CAL/CM2.

#### **AS1000/AS1500 SERIES PROTECTIVE FACE SHIELD UNITS**

#### & ACCESSORIES - HRC 2

10 CAL/CM<sup>2</sup>

#### **AS1000 SERIES**

10 cal/cm $^2$  ATPV rating when used with the included chin cup 7.5" x 20" Viewing area

Extra light tint

.06" Thick

Absorbs >99.9% of harmful UV radiation

Resistant to fogging

Shield meets current ANSI Z87.1 and tested to ASTM F2178 specifications











CAT. NO.	DESCRIPTION
AS1000	AS1000FS Shield w/ integrated chin protector & slotted ASSLB BRACKET. Fits most slotted front brim hard hats.
AS1000U	AS1000FS Shield w/ integrated chin protector & universal BRACKET. Fits most front brim hard hats.
AS1000FB	AS1000FS Shield w/ integrated chin protector & universal FBBRACKET. Fits most full brim hard hats.
AS1000HAT	AS1000 w/ SA79R front brim hard hat.
ASBAG	Large face shield storage bag w/ drawstring closure with fleece lined interior (21"L X 19"W X 14"H).
SA79*	Peak front brim hard hat with rain trough, 4-Point nylon suspension, pin-lock adjustment. ANSI & CSA Type I, Class E. Dielectrically rated. ANSI Z89.1-2003
SA79R*	Peak front brim hard hat with rain trough, 4-Point nylon suspension, ratcheting adjustment. ANSI & CSA Type I, Class E. Dielectrically rated. ANSI Z89.1-2003



*IMPORTANT - Please add t	the color code to the end of hard hat #
(EX:SA7901 - White ANSI Type I, dielectric front brim hard hat w/quick-fit 4-Point suspension)	
Color Codes	Stock Colors
01	White
02	Yellow
03	Orange
	3.

If You Need it, Request it. Call customer service if you need something not seen here.

#### REPLACEMENT ARC FLASH PROTECTION LENSES

8 - 100 CAL/CM<sup>2</sup>

UPGRADE YOUR IF YOUR FH31RB, FH40GY, OR FH55GY LENS HAS MODEL # IM22-ARCAF6FL-2, YOU SHOULD UPGRADE TODAY TO THE 4000 PRO-H00D® LENS: CLEARER LENS FOR GREATER VISIBILITY.





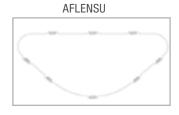












#### AS1000/AS1200/AS1500 & PRO-HOOD®

8 cal/cm<sup>2</sup> to 100 cal/cm<sup>2</sup> ATPV ratings

7.5" x 20" Viewing area for replacement AS1000 protective shield lenses

10" x 20" Viewing area for replacement PRO-H00D® lenses 4000V and 10000V lenses have two layers of protection Extra light tint

.06" Thick

Absorbs >99.9% of harmful UV radiation

Resistant to fogging

Meets current ANSI Z87.1 and tested to ASTM F2178 specifications

**AFLENSU** - The universal inner lens is a field installed anti-fog lens for PRO-HOOD® arc flash protective switching hoods. Installs quickly without tools to the inside of the PRO-HOOD® face shield and can be removed for cleaning or replacement.

CAT. NO.	DESCRIPTION
AS1000FS	Replacement face shield for AS1000HAT, AS1000FB and AS1000U. Used with the ASSLB, FBBRACKET, or BRACKET brackets and ASCP.
AS1200FS	Replacement window for AS1200HAT, 12 cal/cm <sup>2</sup> .
AS1200FS-FB	Replacement face shield/window 12 cal/cm² for AS1200FB full brim
AFLENSU	Inner Anti-Fog Lens for PRO-HOOD®.
2000	Replacement lens, with hook & pile attachment, for OLDER DESIGN 8 cal/cm² to 20 cal/cm² PRO-HOOD®. Single layer lens. Used with the ASSLB, FBBRACKET, or BRACKET brackets.
4000	Replacement lens, with hook & pile attachment, for 31 cal/cm² to 40 cal/cm² PRO-HOOD®. Dual layer lens. Used with the ASSLB, FBBRACKET, or BRACKET brackets.
10000PC	Replacement lens, with hook & pile attachment, for 75 cal/cm² to 100 cal/cm² PRO-HOOD®. Dual layer lens (clear and tinted). Used with the ASSLB, FBBRACKET, or BRACKET brackets.

#### REPLACEMENT BRACKETS, PROTECTIVE NETS & SAFETY GLASSES

#### REPLACEMENT BRACKETS

CAT. NO.	DESCRIPTION
ASCP	Replacement chin cup for AS1000 series shields.
BRACKET	Universal dielectric hard hat bracket. Used with front brim hard hats.
FBBRACKET	Universal dielectric hard hat bracket. Used with full brim hard hats.
ASSLB	Dielectric bracket, fits slotted front brim hard hats. Used with all AS1000 Series lenses.



# **SALISBURY'S FIRE RESISTANT HAIRNET AND BEARDNET** give added protection in any industry that requires the worker to wear a hairnet or beardnet. The hairnet and beardnet

the worker to wear a hairnet or beardnet. The hairnet and beardnet have an ATPV rating of 2.4 cal/cm<sup>2</sup> and are available in gray. These items are made with washable 1.7 oz/yd<sup>2</sup> (58 g/m<sup>2</sup>) woven Nomex<sup>®</sup> fabric and meets current ASTM F1959 standards.

CAT. NO.	DESCRIPTION
HN-1	Arc Rated protective hairnet, 2.4 cal/cm <sup>2</sup> 1.7 oz/yd <sup>2</sup> (58 g/m <sup>2</sup> ) woven Nomex <sup>®</sup>
BN-1	Arc Rated protective beardnet, 2.4 cal/cm² 1.7 oz/yd² (58 g/m²) woven Nomex®

**SAFETY GLASSES** are anti-fogging, anti-scratch and antistatic with 99.9% UV protection. These glasses meet current ANSI Z87.1, 2003 and CSA Z94.3\* standards.

\*The CSA Z94.3 standard applies to eye and face protectors used in all occupational and educational operations or processes involving hazards to the eyes or face.

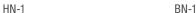
CAT. NO.	DESCRIPTION
S3200	Clear lens, Dark gray frame
TS56505GRY	Clear lens, gray frame
TS56505GRYA	Amber lens, gray frame
TS56505GRYS	Smoke lens, gray frame

If you need it, request it. Call customer service if you need something not seen here.











#### **ARC FLASH PROTECTION AS1000HAT & AFHOOD KIT**



The **AS1000HAT, AS1200HAT & AS2000HAT KITS** make your Personal Protective Equipment purchasing even easier. These convenient kits contain a AS1000HAT or AS1200HAT or AS2000HAT, a 10 cal/cm² or 12 cal/cm², or 20 cal/cm² ATPV rated AFH00D, safety glasses and an ASBAG.

The AS2000HAT has an ATPV rating of  $20\,\text{cal/cm^2}$  and utilizes nanotechnology to provide a clearer, more transparent window for improved visibility. The AS1200HAT has an ATPV rating of  $12\,\text{cal/cm^2}$  and includes ventilation ribs that allow a natural convection air flow through the top of the face shield. The AS1000HAT has an ATPV rating of  $10\,\text{cal/cm^2}$ . The lens provides a  $7.5^\circ$  x  $20^\circ$  viewing area with an extra light tint.

The SKA kits are an ideal kit to use with PPE programs that exceed 8 cal/cm<sup>2</sup> or with 8 cal/cm<sup>2</sup> to 12 cal/cm<sup>2</sup>. ATPV rated coveralls and coats.

NOTE: DUE TO AS1000HAT ATPV RATING OF 10 CAL/CM<sup>2</sup>, PROTECTION GREATER THAN 10 CAL/CM<sup>2</sup> CANNOT BE ACHIEVED.

DUE TO AS1200HAT ATPV RATING OF 12 CAL/CM<sup>2</sup>, PROTECTION GREATER THAN 12 CAL/CM<sup>2</sup> CANNOT BE ACHIEVED.



CAT. NO.	DESCRIPTION
SKA10	ATPV 10 cal/cm <sup>2</sup> Kit - 10 cal/cm <sup>2</sup> AFH00D With 10 cal/cm <sup>2</sup> AS1000HAT, ANSI rated safety glasses and ASBAG.
SKA12	ATPV 12 cal/cm <sup>2</sup> Kit - 15 cal/cm <sup>2</sup> AFH00D With 12 cal/cm <sup>2</sup> AS1200HAT, ANSI rated safety glasses and ASBAG.
SKA20	ATPV 20 cal/cm <sup>2</sup> Kit - 20 cal/cm <sup>2</sup> AFH00D With 20 cal/cm <sup>2</sup> AS2000HAT, ANSI rated safety glasses and ASBAG.



**NOTE:** IN ORDER TO ACHIEVE 360 DEGREE 20 CAL/CM<sup>2</sup> PROTECTION, A 20 CAL/CM<sup>2</sup> BALACLAVA MUST BE WORN.

NFPA 70E: AN ARC RATED HOOD SHALL BE USED WHEN THE ANTICIPATED INCIDENT ENERGY EXPOSURE EXCEEDS 12 CAL/CM<sup>2</sup>.



IMPORTANT: THE MAXIMUM ARC FLASH PROTECTION OF A KIT IS EQUAL TO THE LOWEST CAL/CM<sup>2</sup> RATING OF ANY COMPONENT IN THE SELECTED SAFETY KIT.



#### **ARC FLASH PROTECTION HOODS - AFHOODS (BALACLAVA)**

10 - 28 CAL/CM<sup>2</sup>

**SALISBURY'S ARC FLASH RATED HOODS** (Balaclava) create 360° head and neck protection from arc flash dangers when used with a AS1000, AS1200 or AS2000 Series Face Shield/Hard Hat/Chin Cup Unit. Each Arc Flash Hood is made from two layers of rib knit material and has an elastic face opening that maintains its shape and size.

The AFHOOD10 has an ATPV rating of 10 cal/cm<sup>2</sup>. The AFHOOD15 has an ATPV rating of 15 cal/cm<sup>2</sup>. The AFHOOD20 has an ATPV rating of 20 cal/cm<sup>2</sup>. Both the AFHOOD28FF and the AFHOOD28EO have an ATPV rating of 28 cal/cm<sup>2</sup>.

**CAUTION:** Arc Flash Hoods must be worn in combination with a face shield in order to comply with the requirements of NFPA 70E and will protect 360° inside the arc flash boundary.

CAT. NO.	DESCRIPTION
AFH00D10	10 cal/cm <sup>2</sup> Protection
AFH00D15	15 cal/cm <sup>2</sup> Protection
AFH00D20	20 cal/cm <sup>2</sup> Protection
AFH00D28FF	28 cal/cm <sup>2</sup> Protection
AFH00D28E0	28 cal/cm <sup>2</sup> Protection, 2-eye hood







AFH00D20 AFH00D28E0

#### PRO-WEAR® LIFT FRONT HOOD

40 CAL/CM<sup>2</sup> HRC 4

SALISBURY BY HONEYWELL'S LIFT FRONT HOOD IS A LIGHTER, MORE COMFORTABLE ARC FLASH HOOD THAT PROVIDES USERS WITH INCREASED VISIBILITY, BREATHABILITY AND SAFETY.

#### Visibility

- Shield and chin guard offer an additional 45 degrees of vertical view over standard hoods.
- Vertical peripheral vision field increases by 109% which allows for a clearer view of surroundings.
- Contoured lens naturally extends range of peripheral vision giving user a greater outward visibility and more access to natural light.
- Allows for use of task lights to add much needed convenience lighting in dark work places.

#### Comfort

- Contains 60% less fabric weight than standard hoods which makes it lighter and more comfortable to wear.
- Reduction in fabric allows for more natural head movement and eliminates the need for frequent hood adjustments due to shifts in the excess fabric.

#### **Ventilation & Breathability**

- Industrial design creates a natural ventilation system beneath the brim of the hard hat.
- Ventilated bracket design allows carbon dioxide and heat to escape as it rises from the body.



#### PRO-WEAR® LIFT FRONT HOOD

40 CAL/CM<sup>2</sup> HRC 4

#### A REVOLUTIONARY HYBRID IN ARC FLASH PROTECTION

## INTRODUCING THE NEXT GENERATION IN ARC FLASH HEAD PROTECTION.

Salisbury by Honeywell's revolutionary Lift Front Hood is a unique hybrid combination hood that is lighter and more comfortable to wear than a standard arc flash hood. The combination of a wider face shield and transparent chin guard more than doubles the vertical peripheral vision one would experience while wearing a standard hood and offers the user greater outward visibility and access to natural light.

The Lift Front Hood is comprised of 60% less fabric than standard arc flash hoods. This reduction in fabric allows for more natural head movement and eliminates the need for frequent hood adjustments due to shifts in the excess fabric.

In addition to increased visibility and comfort, the Lift Front Hood offers an extra level of safety protection for the user as it allows for increased breathability. The industrial bracket design creates a natural ventilation system that allows carbon dioxide and heat to escape as it rises from the body.

Lift Front Hood's visibility, fabric weight, breathability and lifting features make it a pioneer in the fusion of comfort and safety in arc flash protection products and Salisbury by Honeywell is proud to take the lead in introducing this revolutionary product to the marketplace.

**Breathability matters.** According to OSHA, workers are at greater risk of heat stress while using bulky or non-breathable protective clothing and equipment.

If the body cannot get rid of excess heat, it will store it. When this happens, the body's core temperature rises and the heart rate increases. As the body continues to store heat, the person begins to lose concentration and has difficulty focusing on a task, may become irritable or sick, and often loses the desire to drink. Exposure to heat can also increase the risk of injuries because of sweaty palms, lens fogging and dizziness.

DESCRIPTION
40 cal, 2 layer, 9oz/yd2 over 9oz/yd2
40 cal, 2 layer, $9\text{oz/yd}^2$ over $9\text{oz/yd}^2$ includes two ASFL and two FLCLIP
40 cal Premium Light Weight, 2 layer, 5oz/yd² over 6oz/yd²
$40\ cal\ Premium\ Light\ Weight,\ 2\ layer,\ 5oz/yd^2\ over\ 6oz/yd^2\ includes\ two\ ASFL\ and\ two\ FLCLIP$
Attachable Task Light (1)
Replacement Clips Set (2)
Attachable Task Light Clip (1)
Attachable Task Light (1) & FLCLIP







FLCLIP (1)

#### ARC FLASH PRO-AIR™ AIR FLOW HOOD SYSTEM

#### 8-100 CAL/CM<sup>2</sup>

#### SALISBURY PRO-AIR™ AIR FLOW HOOD SYSTEM

is integrated with Salisbury's PRO-HOOD® Arc Flash Protection Hood. Now, all Salisbury PRO-HOOD® Arc Flash Protection Hoods are available with an optional integrated cooling system. This newest addition to the PRO-AIR™ line of products provides additional air flow and cools the worker. This unit is excellent in warm conditions or confined spaces. The easy to wear system is light weight, compact and easy to use. The system is designed to provide the worker with approximately 80cfm of air flow throughout the breathing zone. The unit is powered by 8 AA batteries and is designed to maintain a useful continuous life of up to 35hrs at 80cfm. The unit is non-filtered and is not considered a respirator.





CAT. NO.	DESCRIPTION
FH8BL-C	8 cal/cm <sup>2</sup> Arc flash hood w/ air system
FH11BL-C	12 cal/cm² Arc flash hood w/ air system
FH20BL-C	20 cal/cm <sup>2</sup> Arc flash hood w/ air system
FH31RB-C	31 cal/cm <sup>2</sup> Arc flash hood w/ air system
FH40GY-C	40 cal/cm <sup>2</sup> Arc flash hood w/ air system
LFH40	NEW 40 cal/cm <sup>2</sup> Arc flash lift front hood (pg.16)
LFH40PLT	NEW 40 cal/cm <sup>2</sup> Arc flash lift front hood (pg.17)
FH40PLT-C	NEW 40 cal/cm <sup>2</sup> , Arc flash hood w/ air system
FH55GY-C	55 cal/cm <sup>2</sup> Arc flash hood w/ air system
FH75GY-C	75 cal/cm <sup>2</sup> Arc flash hood w/ air system
FH100TW-C	100 cal/cm² Arc flash hood w/ air system











FH40GY-C

NOTE: UNITS PROVIDED WITH STANDARD U.S. TWO PRONG BLADE ELECTRICAL PLUGS. THE PLUGS ARE FOR USE IN NORTH AND CENTRAL AMERICA AND JAPAN. FOR ALL OTHER REQUIREMENTS, PLEASE CONTACT SALISBURY INTERNATIONAL CUSTOMER SERVICE.

# PRO-WEAR® ARC FLASH PROTECTION CLOTHING & KITS



#### **ALL PRO-WEAR® ARC FLASH PROTECTION CLOTHING KITS**

#### MATERIAL WEIGHTS & SIZING

#### MATERIAL WEIGHT FOR ATPV RATINGS

MAIERIAL	WEIGHT FUR ATPV RATINGS
ATPV Rating cal/cm <sup>2</sup>	Material Weight oz./yd²
8	7 oz./yd² (237 g/m²)
12	9 oz./yd² (305 g/m²)
20	13 oz./yd² (441 g/m²)
31	2 layers - 7 oz./yd² (237 g/m²) over 7 oz./yd² (237 g/m²)
40	2 layers - 9 oz./yd² (305 g/m²) over 9 oz./yd² (305 g/m²)
40-PLT	Approximately 30% lighter fabric weight than standard 40 calorie garment. 2 layers – 5 oz/yd² (141.747 g/m²) & 6 oz/yd² (170.097 g/m²)
55	2 layers - 13 oz./yd² (441 g/m²) & 13 oz./yd²
75	3 layers - 13 oz./yd² (441 g/m²) over 9 oz./yd² (305 g/m²) over 7 oz./yd² (237 g/m²)
100	Fabric ensemble composed of six fabric layers as follows: 10 oz./yd.², 8.0 oz./yd.², & 4 layer quilt with a total quilt weight 10 oz./yd.².

#### **PRODUCT FEATURE**

#### THE SALISBURY ADVANTAGE

LIGHTER MATERIAL MAKES ALL THE DIFFERENCE

THE SALISBURY **NEW** PREMIUM LIGHT WEIGHT 40 CAL/CM<sup>2</sup> PLT ARC FLASH MATERIAL MAKES WORKING MORE COMFORTABLE THAN EVER.

Salisbury by Honeywell's *NEW* Premium Light Weight 40 cal/cm<sup>2</sup> Arc Flash Protection Suit has a total fabric weight of 11 oz/yd<sup>2</sup>. This is approximately 30% lighter than Salisbury's standard HRC 4 suit with a total fabric weight of 18.5 oz/yd<sup>2</sup>. Keep cooler and improve worker comfort without compromising safety.

#### SALISBURY PRO-HOOD® ARC FLASH PROTECTION HOODS ARE ONE SIZE FITS ALL.

#### PRODUCT: COVERALL

in/cm (ACCA8, ACCA12, ACCA20)

Measuren	nents in inc	hes (minin	num allowe	ed)
SIZE	Α	В	D	E
Small	40/102	34/86	36/91	29/74
Medium	44/112	35/86	40/102	30/75
Large	48/122	36/91	44/112	30/79
XLarge	52/132	38/91	48/122	30/79
2XLarge	56/142	39/94	52/132	31/79
3XLarge	60/152	39/94	56/142	31/79
4XLarge	64/163	40/102	60/152	32/79
5XLarge	68/173	40/102	64/163	32/79
6XLarge	72/183	40/102	68/173	32/79

#### PRODUCT: BIB OVERALL in/cm (ACB8, ACB12,

ACB20, ACB31, ACB40, ACB40PLT, ACB55)

Measuren	nents in inche	es (minimum	allowed)
SIZE	D	E	F
Small	44/112	30/76	54/137
Medium	48/122	30/76	55/140
Large	52/132	30/76	56/142
XLarge	56/142	30/76	57/145
2XLarge	60/152	30/76	58/147
3XLarge	64/163	30/76	59/150
4XLarge	68/173	30/76	60/152
5XLarge	72/183	30/76	61/155
6XLarge	76/193	30/76	62/157

#### PRODUCT: BIB OVERALL

in/cm (ACB75, ACB100TW)

Measurer	ments in inch	es (minimum	allowed)	
SIZE	D	E	F	
Small	44/112	30/76	53/135	
Medium	48/122	30/76	54/137	
Large	52/132	30/76	55/140	
XLarge	56/142	30/76	56/142	
2XLarge	60/152	30/76	57/145	
3XLarge	64/163	30/76	58/147	
4XLarge	68/173	30/76	59/150	
5XLarge	72/183	30/76	60/152	
6XLarge	76/193	30/76	61/155	

PRODUCT: COAT in/cm (ACC8, ACC12, AC20), (ACC31, ACC40, ACC40PLT, ACC55, ACC75, ACC100TW)

Measuren	nents in inche	es (minimum	allowed)
Small	44/112	35/89	32/81
Medium	48/122	36/91	32/81
Large	52/132	37/94	32/81
XLarge	56/142	38/97	32/81
2XLarge	60/152	39/99	32/81
3XLarge	64/163	40/102	32/81
4XLarge	68/173	40/102	32/81
5XLarge	72/183	40/102	32/81
6XLarge	76/193	40/102	32/81

#### **PRODUCT: OVERPANTS**

in/cm (ACP8, ACP12, ACP20)

Measurer SIZE	ments in inch	es (minimum al E	lowed)
Small	38/97	30/76	
Medium	42/107	30/76	
Large	46/117	30/76	
XLarge	50/127	30/76	
2XLarge	54/137	30/76	
3XLarge	58/147	30/76	
4XLarge	62/157	30/76	
5XLarge	66/168	30/76	
6XLarge	70/178	30/76	

#### **HOW TO MEASURE**

A Chest - Measure across front from underarm to underarm

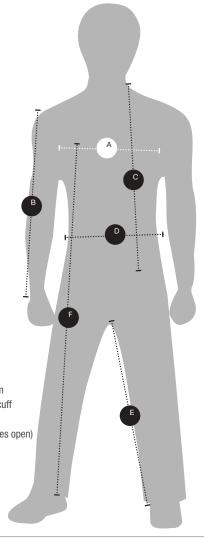
B Sleeve - Measure from top shoulder seam out to end of cuff

**C** Length - Measure from back of neck down to hem

**D Waist** - Measure from waist side seam to side seam (flares open)

E Inseam - Measure from mid crotch down to leg hem

F Length - Measure from top of bib down to pant hem



#### **ALL PRO-WEAR® ARC FLASH PROTECTION CLOTHING KITS**

QUICK REFERENCE CHARTS & INFORMATION

#### SALISBURY ADVANTAGE •-

## ( (

#### **CE MARKING**

Salisbury PRO-WEAR® Arc Flash Protection Clothing and Salisbury PRO-HOOD® Arc Flash Protection Hoods that have the CE 0120 marked on the inner garment label has received the coveted CE certification. This Salisbury advantage is one more reason why Salisbury provides the best personal protective equipment available today.

#### **CE MARKING ON A PRODUCT:**

- Indicates that the product complies with the essential health and safety requirements of all applicable EU directives.
- A declaration by the manufacturer, its representative or the importer that those requirements have been met in full.
- A declaration that all conformity procedures have been completed. The product is allowed in the European market.

#### **ALL PRO-WEAR® ARC FLASH PROTECTION CLOTHING**

QUICK REFER	RENCE PRODUCT NUMBERING	CHART	
Salisbury CAT. NO.	Size of Garments (choose one below)	ATPV Rating cal/cm <sup>2</sup>	HRC
SK8	S, M, L, XL, 2XL or 3XL	8	2
SKCA8*	S, M, L, XL, 2XL or 3XL	8	2
SK11	S, M, L, XL, 2XL or 3XL	12	2
SKCA11*	S, M, L, XL, 2XL or 3XL	12	2
SK20	S, M, L, XL, 2XL or 3XL	20	2
SK31	S, M, L, XL, 2XL or 3XL	31	3
SK40	S, M, L, XL, 2XL or 3XL	40	4
SK40PLT	S, M, L, XL, 2XL or 3XL	40	4
SK55	S, M, L, XL, 2XL or 3XL	55	4
SK75	S, M, L, XL, 2XL or 3XL	75	4
SK100	S, M, L, XL, 2XL or 3XL	100	4
Example: SK20	XL	20	2

**SK20XL** is a clothing kit with a rating of 20 cal/cm<sup>2</sup> that contains coat and bib overalls size extra large, hard hat, hood, safety glasses and storage bag.

OPTION: Add suffix "-BP" to replace the SKBAG Large Storage Bag with a SKBACKPACK Specialty Reinforced Back Pack. \* Add suffix "-AS1200" to replace the AS1000HAT with an AS1200HAT.



SALISBURY PRO-WEAR® Color Code	Haz Risk Ca (HR	tegory (Typical Number of clothing layers given in parentheses)	Minimum Arc Rating of PPE
Now Plus	1	Arc rated long-sleeve shirt and pants or arc rated coverall plus arc rated face shield or switching hood (1)	8 cal/cm <sup>2</sup>
Navy Blue	2	Arc rated long-sleeve shirt and pants or arc rated coverall plus arc rated face shield with a balaclava or switching hood (1 or 2)	8 cal/cm <sup>2</sup>
Royal Blue	3	Arc rated long-sleeve shirt, pants and coverall and jacket and pants or total arc rated clothing system with hood (2 or 3)	25 cal/cm <sup>2</sup>
Gray / Khaki	4	Arc rated long-sleeve shirt and pants and coverall and jacket and pants or total arc rated clothing system with hood (2 or 3)	40 cal/cm <sup>2</sup>
Green	4	PLT Arc rated long-sleeve shirt and pants and coverall and jacket and pants or total arc rated clothing system with hood (2 or 3)	40 cal/cm <sup>2</sup>

#### PRO-HOOD® ARC FLASH PROTECTION HOOD

8 - 100 CAL/CM<sup>2</sup>

## OPTIONAL INTEGRATED LIGHT WEIGHT AIR SYSTEM

**SEE PAGE 18 FOR MORE INFORMATION** 

#### LIGHTER MATERIAL THAN EVER 40 CAL/CM<sup>2</sup> & 100 CAL/CM<sup>2</sup>

## IMPROVED LENS CLARITY 31 CAL/CM<sup>2</sup>, 40 CAL/CM<sup>2</sup> & 55 CAL/CM<sup>2</sup>







#### PRO-HOOD® ARC FLASH PROTECTION HOODS

8 cal/cm2 to 100 cal/cm2\* ATPV ratings

8 cal/cm<sup>2</sup> to 75 cal/cm<sup>2\*</sup> Hoods are made from arc flash resistant material

100 cal/cm<sup>2\*</sup> Hood is made from TuffWeld<sup>®</sup> and Q/9<sup>®</sup> material layers

Sewn with Nomex® thread

Arc rated 10" x 20" anti-fogging replaceable lens

Slotted bracket

Hook and pile tabs to attach Salisbury's PRO-AIR™ belt mounted compact air system

Meet current ASTM F2178 and NFPA 70E standards and the flammability requirements for ASTM F1506

CAT. NO.	DESCRIPTION	
FH8BL	8 cal/cm², Navy blue	
FH11BL	12 cal/cm², Navy blue	
FH20BL	20 cal/cm², Navy blue	
FH31RB	31 cal/cm², Royal blue	
FH40GY	40 cal/cm <sup>2</sup> , Gray	
LFH40	<b>NEW</b> 40 cal/cm <sup>2</sup> Arc flash lift front hood (pg.17)	
FH40PLT	NEW 40 cal/cm <sup>2</sup> , Premium Light Weight, Green	
FH55GY*	55 cal/cm <sup>2</sup> , Gray	
FH75GY*	75 cal/cm², Gray	
FH100TW*	100 cal/cm², Khaki, TuffWeld®	

Add suffix "-C" to include integrated air flow hood system.

NOTE: Garments that have received CE 1020 certification will be marked accordingly.

**NOTE:** Other sizes available by special order

*OPTIONAL:* Universal Inner Anti-Fog Lens (see page 13 for more information)

*OPTIONAL:* Integrated Air Flow Hood System (see page 18 for more information)







\*IMPORTANT: NFPA 70E DOES NOT HAVE A HAZARD RISK CATEGORY ABOVE 40 CAL/CM<sup>2</sup>. WORKING ON LEVELS ABOVE 40 CAL/CM<sup>2</sup> SHOULD BE AVOIDED BECAUSE OF THE BLAST HAZARDS CAUSED BY ARC FLASH.

#### **PRO-WEAR® FLASH PROTECTION COATS**

8 - 100 CAL/CM<sup>2</sup>

## PREMIUM LIGHT WEIGHT 40 CAL/CM<sup>2</sup> LIGHTEST MATERIAL IN THE INDUSTRY.





#### **ARC FLASH PROTECTION COATS**

8 cal/cm<sup>2</sup> to 100 cal/cm<sup>2\*</sup> ATPV ratings

8 cal/cm² to 75 cal/cm²\* coats are made from arc flash resistant material

100 cal/cm²\* coat is made from TuffWeld® and Q/9® material layers Sewn with Nomex® thread

32" Long

Nomex® wristlets

Dual stage front closure with high temperature plastic zipper on the

31 - 100 cal/cm2\* coats

Arc Rated hook & pile storm flap

Coats are intended to be used with PRO-HOODS

Meets current ASTM F1506 and NFPA 70E standards

Standard sizing includes size S-3XL. Other sizes are available by special order.

**NOTE:** Garments that have received CE 1020 certification will be marked accordingly.

CAT. NO.	DESCRIPTION
ACC832BL	8 cal/cm², Navy blue
ACC1132BL	12 cal/cm², Navy blue
ACC2032BL	20 cal/cm <sup>2</sup> , Navy blue
ACC3132RB	31 cal/cm <sup>2</sup> , Royal blue
ACC4032GY	40 cal/cm <sup>2</sup> , Gray
ACC4032PLT	40 cal/cm <sup>2</sup> , Premium Light Weight, Green
ACC5532GY*	55 cal/cm <sup>2</sup> , Gray
ACC7532GY*	75 cal/cm <sup>2</sup> , Gray
ACC10032TW*	100 cal/cm², Khaki, TuffWeld®

NOTE: Add suffix for desired size: S, M, L, XL, 2XL, or 3XL

**NOTE:** Other sizes available by special order contact your local Salisbury Representative for details.





\*IMPORTANT: NFPA 70E DOES NOT HAVE A HAZARD RISK CATEGORY ABOVE 40 CAL/CM<sup>2</sup>. WORKING ON LEVELS ABOVE 40 CAL/CM<sup>2</sup> SHOULD BE AVOIDED BECAUSE OF THE BLAST HAZARDS CAUSED BY ARC FLASH.

#### PRO-WEAR® FLASH PROTECTION BIB OVERALLS

#### 8 - 100 CAL/CM<sup>2</sup>

#### **ARC FLASH PROTECTION BIB OVERALLS**

8 cal/cm2 to 100 cal/cm2\* ATPV ratings

8 cal/cm $^2$  to 75 cal/cm $^{2\star}$  Bib overalls are made from arc

flash resistant material

100 cal/cm2\* bib overalls are made from TuffWeld® and

Q/9® Material layers

Sewn with Nomex® thread

Integrated heavy duty suspenders

Relaxed cut for greater mobility

30" inseam

Adjustable hook and pile waist straps

Bib front for added protection

Adjustable gussets on pant cuffs

Standard sizing includes size S-3XL. Other sizes are

available by special order.

Meets current ASTM F1506 and NFPA 70E standards

 ${\it NOTE:}$  Garments that have received CE 1020 certification will

be marked accordingly.

**NOTE:** Available in larger sizes upon request. Contact your local Salisbury Representative for details.





CAT. NO.	DESCRIPTION

ACB830BL	8 cal/cm <sup>2</sup> , Navy blue
ACB1130BL	12 cal/cm², Navy blue
ACB2030BL	20 cal/cm <sup>2</sup> , Navy blue
ACB3130RB	31 cal/cm², Royal blue
ACB4030GY	40 cal/cm <sup>2</sup> , Gray
ACB4030PLT	40 cal/cm², Premium Light Weight, Green
ACB5530GY*	55 cal/cm², Gray
ACB7530GY*	75 cal/cm², Gray
ACB10030TW*	100 cal/cm², Khaki, TuffWeld®

NOTE: Add suffix for desired size: S, M, L, XL, 2XL, or 3XL

**NOTE:** Available in larger sizes upon request. Contact your local Salisbury Representative for details.

LIGHTEST IN THE INDUSTRY
11 OZ/YD2 TOTAL FABRIC WEIGHT





If You Need it, Request it. Call customer service if you need something not seen here.



\*IMPORTANT: NFPA 70E DOES NOT HAVE A HAZARD RISK CATEGORY ABOVE 40 CAL/CM<sup>2</sup>. WORKING ON LEVELS ABOVE 40 CAL/CM<sup>2</sup> SHOULD BE AVOIDED BECAUSE OF THE BLAST HAZARDS CAUSED BY ARC FLASH.

#### PRO-WEAR® ARC FLASH PROTECTION PREMIUM COVERALLS

8 - 20 CAL/CM<sup>2</sup>



#### **ARC FLASH PROTECTION COVERALLS**

8 cal/cm2 to 20 cal/cm2 ATPV ratings

Made from arc flash resistant material

Sewn with Nomex® thread

Full cut with set in sleeves

Arc rated hook and pile front closure

30" Inseam

Expansion back

2-Ply Nomex® wristlets

Hook and pile cuff opening

Meets current ASTM F1506 and NFPA 70E standards.

Standard sizing includes size S-3XL. Other sizes are available by special order.

NOTE: Garments that have received CE 1020 certification will be marked accordingly.

CAT. NO.	DESCRIPTION
ACCA8BL	8 cal/cm², Navy blue
ACCA11BL	12 cal/cm², Navy blue
ACCA20BL	20 cal/cm², Navy blue

**NOTE:** Available in larger sizes upon request. Contact your local Salisbury Representative for details.

NOTE: Add suffix for desired size: S, M, L, XL, 2XL or 3XL

#### PRO-WEAR® ARC FLASH PROTECTION PREMIUM OVERPANTS

8 - 20 CAL/CM<sup>2</sup>

ACP830BL



Elastic waistband for maximum comfort.



#### **ARC FLASH PROTECTION OVERPANTS**

Overpants have full elastic waistband with arc rated hook and pile front closure

30" Inseam

Overpants have hook and pile cuff adjustment

#### **SALISBURY EXCLUSIVE**

The Salisbury overpants provide a quick and cost-effective way to maximize protection. Loose design and flared legs make it easy to put on and take off over existing work clothing.

CAT. NO.	DESCRIPTION
ACP830BL	8 cal/cm², Overpants, Navy blue
ACP1130BL	12 cal/cm <sup>2</sup> , Overpants, Navy blue*
ACP2030BL	20 cal/cm <sup>2</sup> , Overpants, Navy blue*

NOTE: Add suffix for desired size: S, M, L, XL, 2XL or 3XL

\*NOTE: Available in larger sizes upon request. Contact your local Salisbury Representative for details.

#### PRO-WEAR® ARC FLASH PROTECTION PREMIUM COAT AND PANT KITS

8 - 12 CAL/CM<sup>2</sup>

#### **ARC FLASH SAFETY PROTECTIVE EQUIPMENT**

**8 & 12 CAL/CM<sup>2</sup> KITS -** Salisbury's line of Pro-Wear<sup>®</sup> arc flash protective apparel has expanded to include HRC2 Coat and Pant Kits. These new kits provide everything needed for eye, face, head and body protection and are available in several configurations to make ordering easier and more convenient.

As with all products that carry the Salisbury by Honeywell Pro-Wear® name, the HRC2 Coat and Pant Kits are made from industry leading materials. The HRC2 Coat and Pant Kits contain premium grade garments that offer increased breathability and comfort. The face shields are made utilizing nanotechnology which produces a clearer, more transparent window, thus improving user visibility. Additionally, the ventilation ribs featured on the face shield unit allow a natural convection air flow through the top of the face shield. This reduces fogging of the visor, lowers CO<sub>2</sub> levels and improves comfort for the user.





CAT NO.	DESCRIPTION
8 CAL/CM <sup>2</sup> COAT AN	ND PANT KITS
SKC8	ACC832BL, SKBAG, AS1000HAT, AFH00D10, safety glasses and ASBAG
SKCP8	ACC832BL, ACP830BL, SKBAG, AS1000HAT, AFH00D10, safety glasses and ASBAG
SKCP8-1200	ACC832BL, ACP830BL, SKBAG, AS1200HAT, AFH00D20, safety glasses and ASBAG
SKCP8-BP	ACC832BL, ACP830BL, AS1000HAT, AFH00D10, safety glasses, ASBAG and SKBACKPACK
SKCP8-BP-1200	ACC832BL, ACP830BL, AS1200HAT, AFH00D20, safety glasses, ASBAG and SKBACKPACK
10 CAL/CM <sup>2</sup> COAT A	AND PANT KITS
SKCP11	ACC1132BL, ACP1130BL, SKBAG, AS1000HAT, AFH00D10, safety glasses and ASBAG
SKCP11-BP	ACC1132BL, ACP1130BL, AS1000HAT, AFH00D10, safety glasses, ASBAG and SKBACKPACK
12 CAL/CM <sup>2</sup> COAT A	AND PANT KITS
SKCP11-1200	ACC1132BL, ACP1130BL, SKBAG, AS1200HAT, AFH00D20, safety glasses and ASBAG
SKCP11-BP-1200	ACC1132BL, ACP1130BL, AS1200HAT, AFH00D20, safety glasses, ASBAG and SKBACKPACK
	desired size: S, M, L, XL, 2XL or 3XL. Available in larger sizes upon request. local Salisbury Representative for details.
NOTE: Add suffix -CL	R to replace the AS1200HAT for a AS1200HAT with transparent chin guard (AS1200HAT-CLR).



NOTE: STANDARD SIZING FOR PRO-WEAR® GARMENTS IS S-3XL. GUARANTEED FLAME RESISTANCE FOR THE LIFE OF THE GARMENT WHEN WASHED ACCORDING TO CARE INSTRUCTIONS. PLEASE CONTACT SALISBURY BY HONEYWELL CUSTOMER SERVICE FOR ADDITIONAL SIZING OPTIONS AND AVAILABILITY.



\*IMPORTANT: THE MAXIMUM ARC FLASH PROTECTION OF A KIT IS EQUAL TO THE LOWEST CAL/CM2 RATING OF ANY COMPONENT IN THE SELECTED SAFETY KIT.

#### ARC FLASH PROTECTION PREMIUM COVERALL KITS

8 & 12 CAL/CM<sup>2</sup> HRC 2

## THESE KITS MEET NFPA 70E HAZARD RISK CATEGORY 2.



#### SALISBURY PRO-WEAR® ARC FLASH PROTECTION COVERALL

**KITS** are clothing kits containing arc flash coveralls in an ATPV rating of either 8 cal/cm² or 12 cal/cm², an AS1000HAT, ATPV rated AFH00D, an appropriate ASBAG, SKBAG and safety glasses.

Standard sizing includes size S-3XL. Other sizes are available by special order.



#### PRODUCT NUMBERING CHART FOR PPE KITS W/ COVERALLS

Salisbury Cat. No.	Size of Garments (choose one below)	ATPV Rating cal/cm <sup>2</sup>	HRC	Description
SKCA8	S, M, L, XL, 2XL or 3XL	8	2	Navy
SKCA11	S, M, L, XL, 2XL or 3XL	10	2	Navy
Example: SKCA8L	L	8	2	Navy

Add suffix "-1200" to replace AS1000HAT w/ AS1200HAT.

SKCA8L is a large clothing kit containing a coveralls in an ATPV rating of 8 cal/cm<sup>2</sup>, AS1000HAT, AFHOOD, storage bags and safety glasses.

**NOTE:** Available in larger sizes upon request. Contact your local Salisbury Representative for details.

**NOTE:** Garments that have received CE 1020 certification will be marked accordingly.



\*IMPORTANT: THE MAXIMUM ARC FLASH PROTECTION OF A KIT IS EQUAL TO THE LOWEST CAL/CM<sup>2</sup> RATING OF ANY COMPONENT IN THE SELECTED SAFETY KIT.

SALISBURY ADVANTAGE LARGEST SELECTION OF KIT OPTIONS AVAILABLE.



#### PRO-WEAR® PERSONAL PROTECTION EQUIPMENT KITS

8 - 12 - 20 CAL/CM<sup>2</sup> HRC 2 & 31 CAL/CM<sup>2</sup> HRC 3

SALISBURY PRO-WEAR® ARC FLASH PERSONAL PROTECTIVE EQUIPMENT KITS AVAILABLE IN ATPV RATINGS OF 8, 12 AND 20 CAL/CM<sup>2</sup>. These kits contain arc flash coat, bib overalls, PRO-HOOD®, hard hat, SKBAG and safety glasses.

## 2-COLOR 8 CAL/CM<sup>2</sup> AND 12 CAL/CM<sup>2</sup> PRO-WEAR ARC FLASH PROTECTION PPE KITS AVAILABLE.

Standard sizing includes size S-3XL. Other sizes are available by special order.

These kits meet NFPA 70E Hazard Risk Category 2.

#### PRODUCT NUMBERING CHART FOR 8 CAL/CM<sup>2</sup> TO 20 CAL/CM<sup>2</sup> PPE KITS

Salisbury Cat. No.	SIZE of Garments (choose one below)	ATPV Rating cal/cm <sup>2</sup>	HRC	COLOR
SK8	S, M, L, XL, 2XL or 3XL	8	2	Navy
SK11	S, M, L, XL, 2XL or 3XL	12	2	Navy
SK20	S, M, L, XL, 2XL or 3XL	20	2	Navy
Example: SK8M	М	8	2	Navy

SK8M is a medium clothing kit with a rating of 8 cal/cm<sup>2</sup> that contains a coat, bib overalls, PRO-HOOD®, hard hat, safety glasses and storage bag.

**NOTE:** Available in larger sizes upon request. Contact your local Salisbury Representative for details.



Standard sizing includes size S-3XL. Other sizes are available by special order.

This kit meets NFPA 70E Hazard Risk Category 3.

#### PRODUCT NUMBERING CHART FOR 31 CAL/CM<sup>2</sup> PPE KITS

Salisbury Cat. No.	Size ATPV Rating (choose one below) cal/cm²		HRC
SK31	S, M, L, XL, 2XL or 3XL	31	3
Example: SK31S	•		3

SK31S is a small clothing kit with a rating of 31 cal/cm<sup>2</sup> that contains a coat, bib overalls, PRO-HOOD®, hard hat, safety glasses and storage bag.

**NOTE:** Available in larger sizes upon request. Contact your local Salisbury Representative for details.







#### PRO-WEAR® PREMIUM LIGHT WEIGHT

40 CAL/CM<sup>2</sup> HRC 4 PREMIUM LIGHT WEIGHT



## SALISBURY PREMIUM LIGHT WEIGHT PRO-WEAR® ARC FLASH PERSONAL PROTECTION EQUIPMENT - Salisbury

by Honeywell's NEW Premium Light Weight 40 cal/cm² Arc Flash Protection Suit has a total fabric weight of 11 oz/yd² as compared to the standard 40 calorie garment with a fabric weight of 18 oz/yd². This material is the lightest available and meets all the necessary standards to keep you safe from arc flash. Keep cooler and improve worker comfort without compromising safety. Better products means better work performance. Trust Salisbury to always provide the best possible products available.

Complies with NFPA 70E HRC4

Meets ASTM F1506-02A, ASTM F1959M/F1959M-99

Made from synthetic fiber blend

Arc rated for the life of the garment

Available individually (coat, hood, overalls) or in kits

Heat attenuation factor of 93.20% (meaning the garment is not only flame resistant, but it resists 93.2% of the heat experienced in an Arc Flash).

#### THE SALISBURY ADVANTAGE

11 oz/yd² total fabric weight - LIGHTEST IN THE INDUSTRY

Added ease of movement

Keeps user cooler longer

PRO-HOOD® includes the most transparent lens available Integrated cooling system available for PRO-HOOD®

Longer coat creates better body coverage while working overhead Adjustable gussets on overall cuffs

Standard sizing includes size S-3XL. Other sizes are available by special order, contact Salisbury customer service.





\*IMPORTANT: NFPA 70E DOES NOT HAVE A HAZARD RISK CATEGORY
ABOVE 40 CAL/CM<sup>2</sup>. WORKING ON LEVELS ABOVE 40 CAL/CM<sup>2</sup>
SHOULD BE AVOIDED BECAUSE OF THE BLAST HAZARDS CAUSED
BY ARC FLASH.

CAT. NO.	DESCRIPTION	SIZES
FH40PLT	40 cal/cm <sup>2</sup> , Hood, Premium Light Weight	S, M, L, XL, 2XL or 3XL**
ACC4032PLT	40 cal/cm², Coat, Premium Light Weight	S, M, L, XL, 2XL or 3XL*
ACB4030PLT	40 cal/cm², Overall, Premium Light Weight	S, M, L, XL, 2XL or 3XL*
SK40PLT	40 cal/cm², Kit, Premium Light Weight	S, M, L, XL, 2XL or 3XL*
SK40PLT-LFH40	40 cal/cm², Kit, Premium Light Weight W/LFH40 PLT	S, M, L, XL, 2XL or 3XL*
FH40PLT-C	40 cal/cm², Hood w/ cooling, Premium Light Weight	S, M, L, XL, 2XL or 3XL*
SK40PLT-C	40 cal/cm², Kit w/ cooling, Premium Light Weight	S, M, L, XL, 2XL or 3XL*

**NOTE:** Add suffix for desired size: S, M, L, XL, 2XL, or 3XL. Available in larger sizes upon request. Contact your local Salisbury Representative for details.



#### PRO-WEAR® PERSONAL PROTECTION EQUIPMENT KITS

40 CAL/CM<sup>2</sup> HRC 4 & 55 - 75 CAL/CM<sup>2</sup> HRC 4

## SALISBURY PRO-WEAR® ARC FLASH PERSONAL PROTECTION EQUIPMENT KITS AVAILABLE IN ATPV RATING OF 40 CAL/

**CM<sup>2</sup>.** This kit contains an arc flash coat, bib overalls, PRO-H00D®, hard hat, SKBAG and safety glasses.

#### 2-COLOR PRO-WEAR® ARC FLASH PROTECTION PPE KITS AVAILABLE.

Standard sizing includes size S-3XL. Other sizes are available by special order.

These kits meet NFPA 70E Hazard Risk Category 4

#### PRODUCT NUMBERING CHART FOR 40 CAL/CM<sup>2</sup> PPE KITS

Salisbury Cat. No.	Size of Garments (choose one below)	ATPV Rating cal/cm <sup>2</sup>	HRC	Description
SK40	S, M, L, XL, 2XL or 3XL	40	4	Gray kit
SK40PLT	S, M, L, XL, 2XL or 3XL	40	4	Premium Light Weight
Example:				
SK402XL	2XL	40	4	Gray Kit

SK402XL is an extra extra large clothing kit with a rating of 40 cal/cm<sup>2</sup> that contains a coat, bib overalls, PRO-HOOD®, hard hat, safety glasses and storage bag.

Add – "LFH40" to any 40 calorie kit to replace the standard hood with our NEW Lift Front Hood.

NOTE: Available in larger sizes upon request. Contact your local Salisbury Representative for details.

## **LIGHTER MATERIAL THAN EVER** 40 CAL/CM<sup>2</sup> "PLT" MATERIAL OFFERS EXTREMELY LIGHT WEIGHT OPTION.





\*IMPORTANT: NFPA 70E DOES NOT HAVE A HAZARD RISK CATEGORY ABOVE 40 CAL/CM<sup>2</sup>. WORKING ON LEVELS ABOVE 40 CAL/CM<sup>2</sup> SHOULD BE AVOIDED BECAUSE OF THE BLAST HAZARDS CAUSED BY ARC FLASH.



SALISBURY PRO-WEAR® ARC FLASH PERSONAL PROTECTION EQUIPMENT KITS AVAILABLE IN ATPV RATING OF 55 AND 75 CAL/CM<sup>2\*</sup>. These kits contains an arc flash coat, bib overalls, PRO-H00D®, hard hat, SKBAG and safety glasses.

Standard sizing includes size S-3XL. Other sizes are available by special order.

These kits meet NFPA 70E Hazard Risk Category 4.

#### PRODUCT NUMBERING CHART FOR 55 CAL/CM<sup>2</sup> & 75 CAL/CM<sup>2</sup> PPE KITS

Salisbury Cat. No.	Size of Garments (choose one below)	ATPV Rating cal/cm <sup>2</sup>	HRC
SK55*	S, M, L, XL, 2XL or 3XL	55	4
SK75*	S, M, L, XL, 2XL or 3XL	75	4
Example: SK55XL	XL	55	4

SK552XL is an extra large clothing kit with a rating of 55 cal/cm $^2$  that contains a coat, bib overalls, PR0-H00D $^{\odot}$ , hard hat, safety glasses and storage bag.



#### PRO-WEAR® PERSONAL PROTECTION EQUIPMENT KITS

100 CAL/CM<sup>2</sup> HRC 4

**LIGHTER MATERIAL THAN EVER.** 100 CAL/CM<sup>2</sup> MATERIALS OFFERS A LIGHTER WEIGHT OPTION.



SALISBURY PRO-WEAR® ARC PERSONAL PROTECTION EQUIPMENT KITS ARE AVAILABLE IN AN ATPV AN RATING OF 100 CAL/CM2\*. This kit contains an arc flash coat, bib overalls, PRO-HOOD®, hard hat, SKBAG and safety glasses. Made from TUFFWELD® which offers inherent arc rated protection with a high level of comfort and durability. Exceptional light weight comfort with superb wicking so you can stay cooler and drier even under demanding conditions.

Standard sizing includes size S-3XL. Other sizes are available by special order.

This kits meet NFPA 70E Hazard Risk Category 4.

#### PRODUCT NUMBERING CHART FOR 100 CAL/CM<sup>2</sup> PPE KITS

Salisbury Size of Garments (choose one below)		ATPV Rating cal/cm <sup>2</sup>	HRC
SK100* S, M, L, XL, 2XL or 3XL		100	4
Example: SK100L	L	100	4

SK1002XL is an arge clothing kit with a rating of 100 cal/cm<sup>2</sup> that contains a coat, bib overalls, PRO-HOOD®, hard hat, safety glasses and storage bag.

If you need it, request it. Call customer service if you need something not seen here.



\*IMPORTANT: NFPA 70E DOES NOT HAVE A HAZARD RISK CATEGORY ABOVE 40 CAL/CM<sup>2</sup>. WORKING ON LEVELS ABOVE 40 CAL/CM<sup>2</sup> SHOULD BE AVOIDED BECAUSE OF THE BLAST HAZARDS CAUSED BY ARC FLASH.



# Stay Compliant with **OSHA**1910.269 & 1926.960 UPDATES

# 1910.269 & 1926.960

#### BE PREPARED FOR THE NEWEST OSHA REVISIONS

#### ARC FLASH FACE PROTECTION

Salisbury's weight Balancing Arc Flash Protection Face Shield series with an ATPV rating of 12-20 cal/cm2.\*

Satisfies the requirements of Paragraph (g)(5)(iv)&(v)

#### **NEXT GENERATION OF ARC FLASH HOODS**

Salisbury's revolutionary 40 cal/cm<sup>2</sup> Lift Front Hood (LFH40PLT) combines the award winning weight balancing face shield, a transparent chin guard and premium lightweight fabric. The LFH40PLT also provides increased visibility and airflow to unite comfort and safety.

Satisfies the requirements of Paragraph (g)(5)(iv)&(v)

#### DIELECTRIC FOOTWEAR

Salisbury's ASTM dielectric footwear is 100% waterproof and made from premium grade, ozone resistant rubber and tested to 20 KV.

Satisfies the requirements of Paragraph (g)(5)(ii)

#### INSULATED RUBBER GLOVES

Available in Class 00-4, sizes 7 through 12, including some half sizes, Salisbury's insulating Rubber Gloves are all extremely flexible and make working with small parts easy.

Satisfies the requirements of Paragraph (q)(5)(i)

#### **ARC FLASH SAFETY KITS**

These new kits provide everything needed for eye, face, head and body protection and are available in several configurations to make ordering easier and more convenient.

Satisfies the requirements of Paragraph (g)(5)

#### PREMIUM LIGHTWEIGHT ARC FLASH SUIT

Salisbury by Honeywell's Premium Light Weight 40 cal/cm<sup>2</sup> Arc Flash Protection Suit is approximately 30% lighter than Salisbury's standard PPE category 4 suit. Keep cooler and improve worker comfort without compromising safety.

Satisfies the requirements of Paragraph (g)(5)(iv)&(v)

#### ARC FLASH SAFETY KITS: Sizes available S, M, L, XL, L, 2XL, 3XL

SKCP8-1200	8 cal/cm <sup>2</sup> Coat & Pants with AS1200HAT
SKCP11-1200	12 cal/cm <sup>2</sup> Coat & Pants with AS1200HAT
SKCA8	8 cal/cm <sup>2</sup> Coveralls with AS1000HAT
SKCA11	10 cal/cm <sup>2</sup> Coveralls with AS1000HAT
SK40PLT	40 cal/cm <sup>2</sup> Bib overalls, Coat, Hard Hat, Pro-Hood, Safety Glasses & SKBAG



**IMPORTANT:** THE MAXIMUM ARC FLASH PROTECTION OF A KIT IS EQUAL TO THE LOWEST CAL/CM2 RATING OF ANY COMPONENT IN THE SELECTED SAFETY KIT.



W/FLKIT



**INSULATED RUBBER GLOVES** AVAILABLE IN SIZES 7 THROUGH 12, INCLUDING SOME HALF SIZES



ARC FLASH SAFETY CLOTHING & KITS









**PERFORMANCE WORK GLOVES.** These high quality performance work gloves are constructed of a synthetic and natural material blend. These gloves are highly durable and comfortably form-fit to the hand without inhibiting dexterity.

**EXTENSIVE REINFORCEMENT:** Salisbury by Honeywell work gloves have extensive palm and finger coverage. The PVC based asphalt reinforcement material is tackey, making the gloves more dexterous, durable and provides a secure grip even in wet conditions.

**CUFF:** Some of these gloves feature a FlexMesh<sup>™</sup> cuff which is a protective, breathable and comfortable cuff closing system that does not require constant adjusting.

**THUMB CUT:** The unique 3-D palm construction design prevents bunching between the thumb and index finger.

**STREAMLINED KNUCKLE PROTECTION:** The knuckle protection on the back of the hand is internalized and will NOT get "caught up" when reaching into a tool pouch or pocket.

**DURABLE SYNTHETIC LEATHER ON BASE OF PALM:** The base layer is synthetic suede called SupraTex<sup>™</sup>. This material is highly breathable and durable. The material wicks away heat and moisture which prevents sweat and heat from building up.



### UWG-GPU - UTILITY PLUS GLOVE - ABRASION RESISTANT - ALL PURPOSE

This glove features asphalt reinforcement on the palm to resist abrasion. The top of the hand is made out of a stretchable, light weight and breathable reinforced nylon for comfort. The glove also features internal knuckle protection.



#### UWG-KLG - KEVLAR® UTILITY GLOVE - CUT RESISTANT - ALL PURPOSE

This all purpose work glove is highly cutresistant and features a 100% KEVLAR® lining. This glove has great dexterity and durability.



## UWG-WPSC - WATERPROOF PRO UTILITY GLOVE - WINTER - ALL PURPOSE

This all purpose waterproof/breathable work glove is designed for cooler weather. It features stretch nylon on the top of the hand and an extended FlexMesh™ cuff. The inner liner is made with a warm microfleece. The glove is entirely waterproof, windproof and breathable. The palm features a SupraTex™ base layer with a durable asphalt palm reinforcement.



#### UWG-HUXT - PRO UTILITY GLOVE - MAX ABRASION RESISTANT - ALL PURPOSE

This all purpose work glove has maximum abrasion resistance, good dexterity and breathability. The top of the hand features stretch nylon and the extended cuff includes asphalt reinforcement on the palm side.





## UWG-WPGC - WATERPROOF WINTER UTILITY GLOVE - GAUNTLET STYLE

This work glove is a warm and durable glove. This glove is 100% waterproof, windproof and breathable. It features a Sportwool™ liner that allows the hand to remain comfortable for long periods of time in extreme weather conditions. 3M Thinsulate™ Insulation lines the top of the hand, fingers and cuff.

All gloves are available in sizes S-2XL.

CAT. NO.	DESCRIPTION
UWG-GPU	Utility plus glove - abrasion resistant - all purpose
UWG-KLG	KEVLAR utility glove - cut resistant - all purpose
UWG-WPSC	Waterproof winter pro utility glove - all purpose
UWG-HUXT	Pro utility glove - max abrasion resistant - all Purpose
UWG-WPGC	Waterproof winter utility glove - gauntlet style

**EXAMPLE:** Add suffix: "/S" for Small, "/M" for Medium, "/L" for Large, "/XL" for Extra Large, or "/2XL" for 2XLarge.



WARNING: NOT CUT PROOF, PUNCTURE PROOF OR FIRE RETARDANT. DO NOT EXPOSE NEAR OPEN FLAMES, SPARKS OR ARC ZONES. WARNING: THESE GLOVES ARE NOT INTENDED FOR ENERGIZED ELECTRICAL USE.

#### THE ULTIMATE BACK PACK, STORAGE BAG & FACE SHIELD BAG

**EVERYTHING YOU NEED IN ONE CONVENIENT LIGHT WEIGHT BACKPACK.** The **Salisbury SK BACKPACK** is specifically designed to hold virtually everything from tools to full Personal Protective Equipment (PPE) kits. Specialized reinforced compartments with flap closures are located on both sides of the pack and include flexible slots designed specifically to keep your hand tools in place. The individual compartments make finding the right tool a snap. The backpack can even be personalized to hold your very own PPE kit - clothing, head and face protection, insulated tool kit and much more. The interior includes extra large compartments to hold voltage detectors or other specialized tools, as well as numerous, smaller partitions and a specific area for first aid items.

The rugged **SK BACKPACK** is manufactured from water resistant, reinforced fabric. The SK BACKPACK is resistant to cuts and abrasion. The adjustable, heavy duty straps are wide and padded making it very comfortable to wear regardless of the load. The SK BACKPACK includes an exterior hard hat strap, D-rings and universal snap hook. It even includes a built-in integrated handle for those on the move.

**LARGE STORAGE BAG** for storing Salisbury PRO-WEAR® Arc Flash Clothing, gloves and other accessories. Comes standard in most PRO-WEAR kits. Bag is 24" long x 15" high x 12" deep.

The **ASBAG** is specially designed to protect and store Salisbury face shields with hard hat combinations. The soft-napped fleece liner on the inside of the bag provides protection from scratches and protects the face shield from coming into contact with dirt and dust.

CAT. NO.	DESCRIPTION
SKBACKPACK	Reinforced specialty backpack (14"L x 8"W x 18"H)
SKBAG	Large storage bag (24"L x 12"W x 15"H)
ASBAG	Large face shield storage bag w/ drawstring closure with fleece lined interior (21"L X 19"W X 14"H).







**SKBACKPACK** 



ASBAG

## Salisbury Hazard Risk Category PPE Chart



#### HAZARD RISK CATEGORY

Required minimum Arc Rating of PPE 4CAL/CM<sup>2</sup>



Arc-Rated Long-Sleeve Shirt and Pants or Arc-Rated Coverall

Arc-Rated Face shield or Arc Flash Suit hood Arc-Rated Jacket, Parka,or Rainwear (AN)

Safety Glasses or Safety Goggles (SR) Hearing Protection (Ear Canal Inserts) Heavy Duty Leather Gloves\*

## Required minimum Arc Rating of PPE 8CAL/CM<sup>2</sup>

HAZARD RISK CATEGORY



Arc Flash Suit Hood or Arc-Rated Face shield and Arc-Rated Balaclava

Arc-Rated Jacket, Parka, or Rainwear (AN)

Hard Hat

Safety Glasses or Safety Goggles (SR)

Hearing Protection (Ear Canal Inserts)

Heavy Duty Leather Gloves\*

Leather work Shoes

# NOTE:

ALWAYS WEAR VOLTAGE RATED RUBBER GLOVES WITH PROTECTORS WHEN WORKING ON VOLTAGES OPERATING AT 50V OR MORE.

\*Leather Gloves made entirely of leather with a minimum thickness of .03, are unlined or lined with nonflammable non-melting fabrics.

#### HAZARD RISK CATEGORY

Leather work Shoes (AN)

Required minimum Arc Rating of PPE 25CAL/CM<sup>2</sup>



Arc-Rated Long-Sleeve Shirt (AR)

Arc-Rated Pants (AR)

Arc-Rated Coverall (AR)

Arc-Rated Arc Flash Suit Jacket (AR)

Arc-Rated Arc Flash Suit Pants (AR)

Arc-Rated Arc Flash Suit Hood

Arc-Rated Gloves or Rubber Insulating

Gloves with Leather Protectors (SR)

Arc-Rated Jacket, Parka, Rainwear or Hard

Hat Liner (AN)

Hard Hat

Safety Glasses or Safety Goggles (SR)

Hearing Protection (Ear Canal Inserts)

Leather Work Shoes

#### HAZARD RISK CATEGORY

Required minimum Arc Rating of PPE 40CAL/CM<sup>2</sup>



Arc-Rated Long-Sleeve Shirt (AR)

Arc-Rated Pants (AR)

Arc-Rated Coverall (AR)

Arc-Rated Arc Flash Suit Jacket (AR)

Arc-Rated Arc Flash Suit Pants (AR)

Arc-Rated Arc Flash Suit Hood

Arc-Rated Gloves or Rubber Insulating

Gloves with Leather Protectors (SR)

Arc-Rated Jacket, Parka, Rainwear or Hard Hat Liner (AN)

Hard Hat

Safety Glasses or Safety Goggles (SR)

Hearing Protection (Ear Canal Inserts)

Leather Work Shoes

AN = As Needed (optional)

AR = As Required

SR = Selection Required





by Honeywell

# **Protective Rubber Equipment Labeling Chart**

for Salisbury Natural Rubber and SALCOR® Rubber Protective Equipment

Class Color	Proof Test Voltage AC / DC	Max. Use Voltage* AC / DC	Rubber Molded Products Label	Insulating Rubber Glove Label	Insulating Rubber Dipped Sleeve Label
<b>00</b> Beige	2,500 / 10,000	500 / 750		SALISBURY ANSI / ASTM MADDIN D120 CLASSO OL MAX USE VOLT 500V AC	
<b>O</b> Red	5,000 / 20,000	1,000 / 1,500	PLAN, USE VOLTAGE 1,000 VACT CLASS 0 TYPE	SALISBURY  ANSI: ASTM MADE IN 120 CLASS 0 USAN TITE! MAX USE VOLT 1000V AC	SALISBURY  ANSI / ASTM MADEIN D1051 CLASS 0 05.4 TYPE I MAX USE VOLY 10000V AC
<b>1</b> White	10,000 / 40,000	7,500 / 11,250	WITNEE 7,500 VAC* CLASS 1  TYPE	SALISBURY  ANSI / ASTM MADE IN DIZO CLASS 1 USA TYPE I MAX USE VOLT 7500V AC	SALISBURY  ANSI / ASTM MADE IN D10.51 CLASS 1 U.S.A TYPE I MAX USE VOLT 7500V AC
<b>2</b> Yellow	20,000 / 50,000	17,000 / 25,500	CLASS 2	SALISBURY  ANSI/ASTM MADE IN TYPE I  CLASS 2 TYPE I  MAX USE VOLT 17000V AC	SALISBURY  ANSI/STM MADEIN D1051 CLASS 2 U.S.A TYPE I MAX USE VOLT 17000V AC
<b>3</b> Green	30,000 / 60,000	26,500 / 39,750	PLISBURY "MAX, USE VOLTAGE 25,000 VAC" CLASS 3 PYPE	SALISBURY ANSI / ASTM MADE IN DIZO CLASS 3 USA TYPE I MAX USE VOLT 26500V AC	SALISBURY  ANSI / ASTM MADEIN D1051 CLASS 3 0.5.4 TYPE I MAX USE VOLT 26500V AC
<b>4</b> Orange	40,000 / 70,000	36,000 / 54,000	WOLTAGE SE,000 VAC" CLASS 4 YPE II	SALISBURY  ANSI ASTM MADER D120 CLASS 4 U.A. TYPE I MAX USE VOLT 36000V AC	SALISBURY  ANSI / ASTM MADEN DIOST CLASS 4 U.S.A TYPE I MAX USE VOLT 360000V AC

### **ASTM Specification Reference**

D120	Rubber Insulating Gloves
D178	Rubber Insulating Matting
D1048	Rubber Insulating Blankets
D1049	Rubber Insulating Covers
D1050	Rubber Insulating Line Hose
D1051	Rubber Insulating Sleeves
F478	In-Service Care of Line Hose & Covers
F479	In-Service Care of Insulating Blankets
F496	In-Service Care of Gloves & Sleeves
F696	Leather Protectors for Insulating Gloves and Mittens
F1236	Inspection Guide for Rubber Products

F1742	PVC Insulating Sheeting
F2320	Rubber Insulating Sheeting
F2677	Electrically Insulating Aprons
Type I-	Designates natural rubber.
Type II-	Designates SALCOR® UV and ozone resistant rubber.

<sup>\*</sup> Max. Use Voltage when worn with leather protectors.

Insulating Gloves and Sleeves must have a color coded label to meet appropriate ASTM Specifications.



by Honeywell

# PERSONAL ELECTRICAL SHOCK PROTECTION & ACCESSORIES



#### **LOW VOLTAGE MOLDED SLEEVES & ACCESSORIES**

**MOLDED SLEEVES** are manufactured by either injection or compression molding methods. The advantage these methods offer is the ability to produce sleeves of Type I or SALCOR® Type II synthetic rubber. SALCOR® sleeves provide the same high quality and electrical protection as natural rubber, with the added benefit of being resistant to ozone and ultraviolet radiation. Type I sleeves are available in black, yellow or maroon. Type II SALCOR® sleeves are black or orange. Molded sleeves are available in curved arm style only.

PROPER STORAGE EXTENDS THE SERVICE LIFE OF MOLDED SLEEVES. Folds and creases strain rubber and cause it to crack from ozone prematurely. By storing rubber sleeves in the right size bag, and never forcing more than one pair into each bag, equipment will lie flat and extend the life of the product. Salisbury bags are constructed of heavy duty canvas duck and are double stitched and riveted at stress points for extra durability. Canvas bags feature a D ring for hanging in trucks or on work belts. Bags feature tapered gussets with wide opening tops for easy insertion.

**SLEEVE BUTTONS, STRAPS AND HARNESSES** are required to wear rubber insulating sleeves properly. Four buttons are required per pair of sleeves. Two straps are required per pair of sleeves. One harness is required per pair of sleeves.



#### CAT. NO. BREAKDOWN FOR MOLDED TYPE I SLEEVES

VOLTAGE CLASS	SIZE	COLOR	
1	R or L	Υ	
2	R, L or XL	B, Y, M	
3	R or L	Y, M	
4	R or L	M	
R=Regular L=Large XL=Extra Large Example: 2LB		B=Black Y=Yellow M=Maroon	

#### CAT. NO. BREAKDOWN FOR MOLDED TYPE II SLEEVES

VOLTAGE CLASS	SIZE	COLOR	
1	R or L	BS or OS	
2	R, L or XL	BS or OS	
R=Regular L=Large Example: 2LOS	XL=Extra Large	ge BS=Black SALCOR OS=Orange SALCOR	

CAT. NO.	FOR SLEEVE LENGTH in. ( mm	DIMENSIONS inches ( mm )	WEIGHT EA. lbs. ( kgs )
CANVAS S	LEEVE BAG		
T31	_	30" x 9.5" ( 762 x 241mm)	1.5 ( . 7 )
T32	_	30" x 13" ( 762 x 330 mm)	3 (1.4)
BUTTONS			
B2	_	One Piece Sleeve Button	.2 ( .01 )
B22	_	4 Screw Type Buttons	.8 ( .04 )
STRAPS			
S1	15	5"(381mm) Strap w/ 4 B2 Buttons	.1 ( .005 )
HARNESS			
H1		Harness w/ 4 B2 Buttons	1 ( .45 )





#### **INSULATING RUBBER GLOVES**







**TEN-FOUR® GLOVE DUST** is a cooling, frictionless powder that absorbs moisture and perspiration when wearing rubber gloves. The 5-oz. bottle easily fits in a pocket or glove bag. The 4-quart bulk package is used in test labs as a dusting powder.

#### TEN-FOUR® GLOVE DUST

CAT. NO.	DESCRIPTION	WEIGHT lbs. (kgs)
10-4	12, 5 oz. Squeeze bottles	5.5 (12)
10-4-4QT	4 qt. Bulk, single	8 (19)

**SALISBURY INSULATING RUBBER GLOVES** are available in sizes 7 through 12, including some half sizes. Proper fit is important to minimize chafing and fatigue. To determine glove size, measure the circumference around the palm. Allow for additional room if fabric glove liners are to be worn, especially with thermal liners.

Class 00 gloves are available in red and black, Type I Natural Rubber or blue and contrasting blue/orange Type II Salcor® ozone resistant rubber. Class 0 gloves are available in red, yellow and black, Type I Natural Rubber or blue Type II Salcor® ozone resistant rubber. The contrast between the thin outer orange color against the inner blue color makes inspecting for cuts and tears easier when the glove is inflated or stretched.

Class 2 gloves are available in Type I Natural Rubber only. All insulating rubber gloves are extremely flexible and make working with small parts easy. The gloves meet or exceed ASTM D120 and IEC EN60903 Standards.

#### **INSULATED RUBBER GLOVES**

	CLASS	LENGTH	COLOR	SIZE (choose one below)
Ε	00	11 or 14	R, BL, B, Y or BLO	
Ε	0	11 or 14	R, BL, B, Y or BLO	7, 8, 8H, 9, 9H
Е	1	14,16 or 18	B, YB or RB	10, 10H, 11, 12
Ε	2	14,16 or 18	B, YB or RB	10, 1011, 11, 12

Class 3 and Class 4 Available.

EXAMPLE: E011R10 is a Class 0 11" red glove size 10.

Type I Natural Rubber available in: R=Red, Y=Yellow, B=Black,

RB=Red in, Black out, YB=Yellow in, Black out.

Type II Salcor® Rubber available in: BL=Blue, BL0=Blue in, Orange out.

#### **INSULATING RUBBER GLOVES MAXIMUM USAGE**

CLASS	PROOF TEST VOLTAGE AC / DC	MAX. USE VOLTAGE AC / DC	
00	2500 / 10,000	500 / 750	
0	5,000 / 20,000	1,000 / 1,500	
1	10,000 / 40,000	7,500 / 11,250	
2	20,000 / 50,000	17,000 / 25,500	
3	30,000 / 60,000	26,500 / 39,750	
4	40,000 / 70,000	36,000 / 54,000	



#### MEASURE THE CIRCUMFERENCE AROUND THE PALM TO DETERMINE THE SIZE OF THE GLOVE.

Contact a Salisbury customer service representative for extensive arc flash testing data performed on the insulating rubber gloves.

#### **LEATHER PROTECTORS AND GLOVE LINERS**

**LEATHER PROTECTOR GLOVES** should always be worn over insulating rubber gloves to provide the needed mechanical protection against cuts, abrasions and punctures. The ILP Series is manufactured from top grain cowhide or goatskin. Cowhide cuffs are tough leather on palm side and orange vinyl on the back, while the goatskin cuffs are green leather on palm side and orange vinyl on back. The ILP10 gloves do not have a cuff. Full complement of styles from low-volt through 16" contour cuff. Leather protector gloves come in dual sizes 7/7.5 through 11/11.5 and 12. Protectors for Class 00 and 0 are available with non-metallic buckle and pull strap or elastic wrist.

It is the responsibility of the purchaser to specify the overall length of the protector gloves. The Clearance Table shows the minimum distance which shall be allowed between the top of the protector glove cuff and the top end of the bead of the rubber glove per ASTM F496 Specifications.

**WARNING:** Do not use leather protectors alone for protection against electric shock. Serious injury or death will result. Always use proper insulating rubber gloves.

Proper care of leather protectors is essential to user safety. Inspect the leather protectors when inspecting rubber gloves. Metal particles, imbedded wire, abrasive materials or any substance that could physically damage the rubber gloves must be removed from the protector before use.

**LINER GLOVES** reduce the discomfort of wearing Insulating Rubber Gloves in all seasons. For year round use, liners provide warmth in cold weather while they absorb perspiration in the warm months. Many styles and fabrics are available with either a open or knit wrist.

The knit wrist style grips the wrist rather than allowing the cuff to roll down and bunch at the palm. All Liner Gloves are for year round use with Insulating Rubber Gloves and Mittens. All liners are made from stretch fabric that can fit any hand size.

The L Series has a tough outer cotton fabric while the inner lining is soft and comfortable. The LMKC Series is light, airy and allows ease of movement. The LMKW Series is made from a fabric that moves easily yet gives a substantial layer of lining.



#### LEATHER PROTECTOR CLEARANCE TABLE

GLOVE CLASS	MIN. DISTANCE BETWEEN TOP OF PROTECTORS AND RUBBER GLOVES	
	in.	mm
00, 0	1/2	13
2	2	51

#### LEATHER PROTECTORS

CAT. NO.		OAL LENGTH	WEIGHT
Cowhide	Goatskin	in. (mm)	lbs. (kgs)
ILP3S	ILPG3S	12 (305)	1 (.5)
ILP5S	ILPG5S	14 (356)	1.2 (.5)
ILP7C	ILPG7C	16 (406)	1.5 (.7)
ILP10	ILPG10	10 (254)	.7 (.32)
ILP10A	ILPG10A	10 (254)	.7 (.32)

S=straight cuff, C=contour cuff, A=w/ pull strap. Sizes: 7/7.5, 8/8.5, 9/9.5, 10/10.5, 11/11.5, 12





L10MKW

#### LINER GLOVES

LINEII GEO				
CAT. NO.	DESCRIPTION	WRIST Style	LENGTH in. (mm)	WEIGHT EA. lbs. (kgs)
L10JK	Jersey style, light weight, seams out	Knit	10 ( 254 )	.14 (.06)
L12J	Jersey style, light weight, seams out	Open	12 ( 305 )	.14 (.06)
L10MKW	Machine knit, cotton/wool blend	Knit	10 ( 254 )	.14 (.06)

One size fits all.

L12J

#### **INSULATING GLOVES AND PROTECTORS KITS**

#### SHOCK PROTECTION



**GLOVE KITS** - Salisbury's insulating rubber gloves are necessary for every electrical worker's complete safety. Salisbury's leather protectors provide needed protection from cuts, abrasions and punctures. To keep these safety items in top condition, proper storage is very important.

Proper storage extends the service life of gloves. Folds and creases strain natural rubber and cause it to cut from ozone prematurely. Storing rubber gloves in the right size bag and never forcing more than one pair into each bag, equipment will lie flat and last longer.

#### PRODUCT NUMBERING CHART FOR GLOVE KITS

CLASS	8	LENGTH (inches)	COLOR	GLOVE SIZE (choose one below)	
GK (	00	11 or 14	B, BL, Y, R	7 0 011 0 011	
GK	0	11 or 14	B, BL, Y, R	7, 8, 8H, 9, 9H	
GK	2	14, 16, or 18	B, RB	10, 10H, 11, 12	
Examp GK011I		11	BL	9	

**GK011BL9** is a glove kit with a Blue Class 0 glove 11" long size 9. The appropriate glove bag and leather protectors will be included.

Type I Natural Rubber available in: R=Red, Y=Yellow, B=Black RB=Red in, Black out.

Type II Salcor® Rubber available in: BL=Blue



MEASURE THE CIRCUMFERENCE AROUND THE PALM TO DETERMINE THE SIZE OF THE GLOVE.

**NOTE:** If you require test date stamping, please specify when ordering.



#### PRO-WEAR® ARC FLASH GLOVES

12 - 100 CAL/CM<sup>2</sup>

# **SALISBURY PRO-WEAR® ARC FLASH GLOVES** are available in ATPV ratings of 12 to 100 cal/cm<sup>2\*</sup>. These gloves are sewn with Nomex® thread. All gloves are made with arc rated material.

All Arc Flash Gloves are 14" long and designed in a clute cut style. One size fits most.

CAT. NO.	DESCRIPTION
AFG11	12 cal/cm <sup>2</sup> , Navy blue,
AFG20	20 cal/cm², Navy blue
AFG31	31 cal/cm², Royal blue
AFG40	40 cal/cm <sup>2</sup> , Gray
AFG55*	55 cal/cm <sup>2</sup> , Gray
AFG100*	100 cal/cm², khaki





CAUTION: ARC FLASH GLOVES DO NOT PROVIDE ELECTRICAL PROTECTION.

DO NOT USE WHEN INSULATING RUBBER GLOVES ARE REQUIRED.

\*IMPORTANT: NFPA 70E DOES NOT HAVE A HAZARD RISK CATEGORY ABOVE
40 CAL/CM². WORKING ON LEVELS ABOVE 40 CAL/CM² SHOULD BE AVOIDED
BECAUSE OF THE BLAST HAZARDS CAUSED BY ARC FLASH.

#### **GLOVE BAGS, GLOVE INFLATOR AND DIELECTRIC FOOTWEAR**

#### SHOCK PROTECTION

**GLOVE BAGS** - Salisbury bags are constructed of heavy duty canvas duck and are double stitched at stress points for extra durability. Canvas bags feature a snap hook for hanging on work belts. Bags feature tapered gussets with wide opening tops for easy insertion.

#### PRODUCT NUMBERING CHART FOR GLOVE BAGS

CAT. NO.	GLOVE Length in. (mm)	DIMENSIONS in (mm)	WEIGHT lbs. (kgs)
GB112	11 (280)	9" X 14" (229 X 356)	1 (.5)
GB114	14 (356)	9" X 16" (229 X 406)	1 (.5)
GB116	16 (406)	9" X 18" (229 X 457)	1.2 (.6)
GB118	18 (457)	9" X 20" (229 X 508)	1.5 (.7)

**GLOVE INFLATOR** - Electrical insulating gloves must be inspected before each use. Inspection is simplified by using a portable glove inflator such as the Salisbury G99 and the G100 with adapter for Class 00 and 0 and smaller size gloves. The Patented G99 is a simple, easy to use, portable glove inflator. The G99 provides a quality means of inspecting gloves in the field. The glove is secured to the inflator using a nylon strap and fastened with hook and pile. Inflation is accomplished by pumping the bellows of the inflator.

#### **GLOVE INFLATOR**

CAT. NO.	DESCRIPTION	WEIGHT lbs. (kgs)
G99	Glove inflator kit	2 (.91)
G99B	Replacement bag	-
G99S	Replacement strap	-
G99V	Replacement check valve	-
G100	Glove inflator kit w/ adapter	-
G100A	Small low-volt glove adapter	-

#### **ASTM DIELECTRIC FOOTWEAR - 100% TESTED TO**

**20KV** - Salisbury's ASTM dielectric footwear is 100% waterproof and made from premium grade, ozone resistant rubber. The flexible hand-layered construction includes a durable, nylon lining for easy on/off. The sole has a durable construction with a non-skid, bar tread outsole. The attached buckle and hardware is nonmetallic. All of Salisbury's ASTM Dielectric Footwear conforms with ASTM F1117 and is 100% tested to the electrical hazard requirements of ASTM F1116 at 20,000 volts.

#### **DIELECTRIC FOOTWEAR**

CAT. NO.	DESCRIPTION	SIZES	WEIGHT PR. lbs. (kgs)
21405	17", 1 Buckle overboot	Whole sizes 7 - 16	5.8 (2.6)
21406	14" 1 Buckle overboot	Whole sizes 7 - 17	5.0 (2.3)
51508	Non-buckle overshoe	Whole sizes 7 - 17	3.3 (1.5)
51509	2 Buckle overshoe	Whole sizes 7 - 17	4.4 (2)
51511	Bob sole - non-buckle overshoe	Whole sizes 7 - 16	3.3 (1.5)
51512	Bob sole - 2 buckle overshoe	Whole sizes 7 - 16	4.4 (2)

**NOTE:** When ordering, add size as suffix to part number. Be sure to add a space between the part number and size. Example: 51511 7













#### ARC PROTECTION BLANKETS AND SWITCHBOARD MATTING





WARNING: BECAUSE OF THE UNPREDICTABILITY OF ELECTRICAL ARCS, THE ARC PROTECTIVE BLANKET (APB) MAY NOT TOTALLY CONTAIN THE ARC AND FLASHES, BUT ONLY REDUCE OR LIMIT EXPLOSIVE AND INCENDIARY EFFECTS. PROPERLY INSTALLED APBS CAN REDUCE THE RISK OF INJURY FROM THE BLAST AND HEAT, HOWEVER THEY DO NOT PROVIDE ANY PERSONAL PROTECTION FOR BUT NOT LIMITED TO HEARING, EYES, SMOKE/ HAZARDOUS GASES INHALATION AND BURNS.

WARNING: ARC PROTECTIVE BLANKETS ARE NOT DESIGNED FOR ELECTRICAL INSULATING PROTECTION. USING THE ARC PROTECTIVE BLANKET FOR ELECTRICAL INSULATING PROTECTION CAN RESULT IN SERIOUS INJURY OR DEATH.



#### SWITCHBOARD MATTING

CAT. NO.	DIMENSIONS in. ( mm )	WEIGHT lbs. (kgs)
M24-2	1/4 x 24" (6 x 610)	9 (4.1)
M30-2	1/4 x 30" (6 x 762)	12 (5.4)
M36-2	1/4 x 36" (6 x 914)	15 (6.8)
M48-2	1/4 x 48" (6 x 1219)	18 (8.2)
M36-4*	1/2 x 36" x 60 feet long (12 x 914 mm x 18.3 m long)	684 (307.8)

All switchboard matting complies with current ASTM D178 standards \*Sold in full rolls only.

**ARC PROTECTION BLANKET** - Salisbury by Honeywell arc protection blankets are now available in 4' x 5' and 4' x 8' sizes. Each size is available in 15kA or 40kA ratings. The 15kA blankets include convenient loops, and the 40kA blankets include grommets to easily keep the blanket in place. These new blankets are sold individually or with a storage bag or storage bag and tie-strap kit.

The arc protection blanket is used as a barrier for protection from the explosive and incendiary effects of electrical arcs and flashes. These hazardous electrical discharges can be caused by faults in cables, in cable splices and joints and at transformer terminals. They may also be generated by the operation of switch gear, circuit breakers and lightning arrestors. The blanket can be used for worker protection in underground vaults, switchyards and other locations where electrical equipment poses a risk of exposure to explosive electrical discharges.

#### **MEETS THE ASTM F2676 STANDARD.**

NOTE: These products do not eliminate or reduce requirements of proper PPE for arc flash protection

#### ARC PROTECTION BLANKET

CAT. NO.	DIMENSIONS in. (mm)	DESCRIPTION
ARC45-15	48 x 60 ( 1219 x 1524 )	15kA Rating - navy blue
ARC45-40	48 x 60 ( 1219 x 1524 )	40kA Rating -gray/khaki
ARC48-15	48 x 96 ( 1219 x 2438 )	15kA Rating - navy blue
ARC48-40	48 x 96 ( 1219 x 2438 )	40kA Rating -gray/khaki
ARC142	1 x 42 ( 25.4 x 1067 )	Single Kevlar Strap w/ Buckle
ARC142-K16		Arc48 Strap Kit With 16 Buckles
ARC142-K12		Arc45 Strap Kit With 12 Buckles

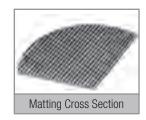
#### **EXAMPLE:**

-Add suffix "P" to include storage bag. -Add suffix "PS" to include storage bag and tie-straps.

 -Add suffix "C" to include P4 canister. -Add suffix "CS" to include P4 canister and tie-straps.

**SWITCHBOARD MATTING** is placed permanently in front of switchgear, motor control centers and other high voltage apparatus to provide an additional level of protection for electrical workers. Switchboard matting is made from 1/4" (6.4 mm) thick and tested to 20kV to comply with ASTM D178, Class 2 specifications. The corrugated surface acts as a safety tread while reducing the possibility of metal particles becoming embedded. Class 2, switchboard matting is made in 25 yard rolls which can be custom cut to specified lengths as per customer request. Class 4 is sold in full 60' rolls only.

Class 2 Maximum Use Voltage: 17,000 VAC Class 4 Maximum Use Voltage: 36,000 VAC



#### **LOW-VOLT BLANKETS AND ACCESSORIES**

#### SHOCK PROTECTION

**ROLL BLANKETS -** Salisbury has gone to great lengths to protect workers from low voltage electrical hazards by now offering insulating blanket material on a roll. Salisbury's insulating roll blankets, made from a high strength fabric reinforced Type II rubber, allow workers to custom-cut blankets to fit each application at the job site. This minimizes the number of different low voltage blanket sizes and shapes that would otherwise need to be carried from job to job.

All classes of roll blankets are easy to cut and flexible to  $-40^{\circ}$ F. Highly puncture and tear resistant, each class of blanket is also flame (self-extinguishing), oil and ozone resistant. Each comes in a convenient 36" wide roll, 30 feet in length and in unique colors making it easy to identify and highly visible in the work area.

**CLEAR PVC ROLL BLANKETS -** Salisbury's roll blanket line includes a Class I clear PVC material that permits complete visibility, yet provides the necessary insulating properties meeting ASTM F1742 standards.

CLASS O YELLOW LOW VOLTAGE INSULATING BLANKETS - Low voltage Insulating Blankets are made of Type II SALCOR®, ozone resistant rubber and are yellow. Insulating blankets are available with or without hook and pile. These blankets are Class 0 and have a maximum use of 1000VAC. Covering energized equipment is easier than ever using these blankets. Featuring one inch strips of hook and pile double stitched to the blanket with nylon thread, making the installation and removal safe and fast.

#### **BLANKET FASTENERS**

**Blanket Clamp Pins** can be effectively used to hold insulating blankets in place. Blanket pins are made of fiberglass reinforced nylon and have molded rubber tips to increase slip resistance.

Magnetic Blanket Buttons are designed for use in eyelets of insulating blankets when covering energized portions in hard to cover areas. Four permanent, floating magnets are mounted between nickel-plated steel plates. May be applied manually, wearing rubber gloves, or with a clampsticks.





			ft. (m)
RLB00	Class 00 brown	500 VAC	3' x 30' (.9 x 9)
RLB0	Class 0 yellow	1000 VAC	3' x 30' (.9 x 9)
RLB1	Class 1 yellow / orange	7500 VAC	3' x 30' (.9 x 9)
RLBPVC1	Class 1 clear PVC	7500 VAC	3' x 30' (.9 x 9)

#### BLANKET CLAMP PIN

CAT. NO.	DESCRIPTION	LENGTH in. (mm)	JAW OPENING in. (mm)	WEIGHT lbs. (kgs)
21	Nylon w/ pin boots	9.5 (241)	5 (127)	.25 (.11)
MB6	Magnetic blanket button	-	-	.044 (.2)

#### YELLOW LOW VOLTAGE INSULATING BLANKETS

CAT. NO.	DESCRIPTION	TYPE	SIZE in. (mm)	WEIGHT EA. lbs. (kgs)
1212YLV	Class 0 yellow zip	II	12x12 ( 305x305 )	1 (.45)
1212YLVNV	Class 0 yellow plain	II	12x12 ( 305x305 )	1 (.45)
1236YLV	Class 0 yellow zip	II	12x36 ( 305x914 )	1.5 (.48)
1236YLVNV	Class 0 yellow plain	II	12x36 ( 305x914)	1.5 (.48)
1818YLV	Class 0 yellow zip	II	18x18 ( 457x457 )	1.1 (.48)
1818YLVNV	Class 0 yellow plain	II	18x18 ( 457x457 )	1.1 (.48)

NOTE: Other sizes are available, contact your local Salisbury representative for availability.







1212YLV



#### INSULATED RESCUE HOOK AND STATIC DISCHARGE STICK

#### SHOCK PROTECTION



**INSULATED RESCUE HOOK** - Salisbury's insulated rescue hook is an invaluable tool for any workplace. It is used to release a victim from contact. Confined spaces, in vaults, or just near electrical cabinets and switch gear are some of the places where this tool is a must. Insulated rescue hooks feature a foam-filled, fiberglass reinforced handle for superior electrical insulation and a coated, heat treated body hook with an 18" opening and are made in accordance with ASTM Standard F711. The stick is available in the standard lengths of 6 and 8 feet. Other lengths are available as a special order. Contact us with your requirements.

#### **INSULATED RESCUE HOOK**

CAT. NO.	DIMENSIONS ft. (m)	WEIGHT lbs. (kgs)
24400	3' (0.92) Length	3.4 (1.5)
24401	6' (1.8) Length	4.5 (2)
24403	8' (2.4) Length	5.5 (2.5)

**STATIC DISCHARGE STICK** - The Static Discharge Stick is designed to safely remove the static charge after de-energizing. This tool is pre-assembled and includes a brass alloy "U" hook, closed cell foam-filled tubular fiberglass switch stick made in accordance with ASTM Standard F711. Static discharge sticks have 6 feet of copper grounding cable attached to a Salisbury 1814 flat jaw, grade 3, bronze serrated clamp with strain relief.

#### STATIC DISCHARGE STICK

CAT. NO.	CABLE LENGT ft. (m)	TH DESCRIPTION	WEIGHT lbs. (kgs)
20817	6 (1.8)	Static discharge stick 4' (1.2m) length	8 (3.6)
22629	6 (1.8)	Static discharge stick w/ universal attachment 1' (0.3m) length	38 (0.17)

**TOOL HOLDER SALCOR®** Tool Holders secure tools to trailers, compartments and tool rooms. Great for holding rescue hooks and static discharge sticks. 12 per package.

#### **TOOL HOLDER**

CAT. NO.	DESCRIPTION	WEIGHT CN lbs. (kgs)
1192	1.25 (32 mm) I.D. Tool holder	3.5 (1.6)

#### **CLAMPSTICKS AND SWITCH STICKS**

#### SHOCK PROTECTION

#### **EXTERNAL ROD CLAMPSTICKS EXTERNAL ROD**

**CLAMPSTICKS** are constructed of closed cell foam-filled tubular fiberglass in accordance with ASTM standard F711. The hook operating rod, made of solid 3/8" (9.5 mm) diameter fiberglass, is mounted on the exterior of the tool so that it can be easily wiped down prior to use.

Tough thermoplastic head ferrule EZ Grip plastic hand grip Wide opening 15/16" (23.8mm) Stainless steel hook Heavy rubber end cap

EXTERNAL ROD CLAMI	PSTICKS
--------------------	---------

CAT. NO.	AT. NO. LENGTH		1	WEIGHT EA.
	ft	(m)	lb	s. (kgs)
4007	4' 8"	(1.32)	4.	2 (1.9)
4008	5' 8"	(1.62)	4.	6 (2.1)
4009	6' 8"	(1.93)	5.	2 (2.4)
4010	8' 8"	(2.54)	6.	2 (2.8)
4011	10' 8"	(3.15)	7.	0 (3.2)
4012	12' 8"	(3.76)	7.	7 (3.5)
4013	14' 8"	(4.37)	9.	4 (4.3)

- Add suffix "S" for a 9864 Switch Stick Head or a "U" for a 9840 Splined Universal Head.
- Clamp sticks may be ordered with these fittings attached to the end by adding the appropriate suffix to the catalog number.

**UNIVERSAL SWITCH STICKS** - Universal switch sticks are available in one, two and three sections. The sticks have a standard splined head of 1.25" diameter. They are supplied with a #9971 prong. Other lengths are available as a special order. Contact us with your requirements.

#### **UNIVERSAL SWITCH STICKS**

DIME	NSIONS:	WEI	GHT
Diameter x Length		EACH	
in x ft	(mm x m)	lbs.	(kgs)
1.25 x 4	31.7 x 1.2	2.6	(1.2)
1.25 x 6	31.7 x 1.8	3.4	(1.5)
1.25 x 8	31.7 x 2.4	4.1	1.9)
	Diamete in x ft 1.25 x 4 1.25 x 6	in x ft (mm x m) 1.25 x 4 31.7 x 1.2 1.25 x 6 31.7 x 1.8	Diameter x Length in x ft         EA lbs.           1.25 x 4         31.7 x 1.2         2.6           1.25 x 6         31.7 x 1.8         3.4









#### PERSONAL PROTECTION GROUNDING

**SALISBURY GROUNDING CABLES GROUNDING CABLES** are made with extra flexible strand of soft drawn #30 AWG (.01") copper and are available in three different jackets.

The yellow thermoplastic elastomer jacketed cable is the standard for grounding service. It provides a combination of economy, flexibility and durability. The service temperature ranges from  $200^{\circ}$  to  $-50^{\circ}$ F. ASTM F 855 Type I.

The black thermoplastic elastomer jacketed cable has a smaller diameter and thinner jacket material giving it better flexibility than the yellow cable. The service temperature ranges from 200° to -50°F. ASTM F 855 Type I.

The transparent flexible thermoplastic (PVC) jacketed cable allows easy inspection for strand breakage. The flexibility decreases with low temperatures. The minimum recommended service temperature is 0°F. ASTM F 855 Type III.



	SALISBURY GROUNDING CABLES							
	CAT NO.	SIZE	STRAND DIA.	JACKET	SHORT CIRCUI		CONTINUOUS	WT./1000FT.
			in. (mm)	in. (mm)	15 Cycles	MS, 60Hz 30 Cycles	Current AMPS,RMS,60Hz	lbs. (kgs)
>	2136	#2-665W	.35 (8.9)	.50 (12.7)	14500	10000	200	282 (127)
LO	2137	1/0-1064W	.45 (11.4)	.62 (15.7)	21000	15000	250	488 (221)
	2138	2/0-1330W	.49 (12.4)	.65 (16.5)	27000	20000	300	537 (243)
≺E	2139	4/0-2109W	.62 (1.7)	.83 (21.1)	43000	30000	400	836 (379)
	2636	#2-665W	.35 (8.9)	.47 (12)	14500	10000	200	263 (119)
X	2637	1/0-1064W	.45 (11.4)	.58 (14.7)	21000	15000	250	404 (183)
A C	2638	2/0-1330W	.49 (12.4)	.63 (16)	27000	20000	300	497 (225)
- L	2649	3/0-1672W	.55 (14)	.72 (18.3)	36000	25000	350	680 (308)
Ω	2639	4/0-2109W	.62 (1.7)	.78 (19.8)	43000	30000	400	770 (349)
œ	2128	#2-665W	.35 (8.9)	.53 (13.5)	14500	10000	200	289 (131)
<	2129	1/0-1064W	.45 (11.4)	.64 (16.3)	21000	15000	250	520 (235)
L	2133	2/0-1330W	.49 (12.4)	.70 (17.8)	27000	20000	300	546 (247)
O	2288	4/0-2109W	.62 (1.7)	.84 (21.3)	43000	30000	400	841 (381)

**SALISBURY GROUNDING CONFIGURATOR™** - Salisbury's Grounding Configurator™ makes specifying grounding equipment simple and easy. This interactive web tool allows you to easily build the proper temporary grounding equipment for your specific needs. The step by step process takes out the guess work and makes it easy to change components until the most appropriate ground set is developed.

Just go to our web site and give it a try. You will be prompted from start to finish. All you need to know is the maximum fault current and the duration of the fault and the configurator will do the rest. No more second guessing quantities or parts to be sure that you have put together a ground set that will function just as you expect. When you finish, enter your personal information and the configurator will instantly provide you with the bill of materials including part numbers. All that's left to do is to place the order!



#### **BALL & SOCKET GROUNDING SYSTEM AND FERRULES**

#### PERSONAL PROTECTION GROUNDING

**BALL & SOCKET SYSTEM -** The ball and socket grounding system allows for variable angle accessibility. This system is compact and light weight. The 21190 Socket Clamp is made from bronze alloy with an integral cable support and strain relief sleeve. This is the ideal grounding system for industrial and substation environments.

**THE NEW BALL STUD C CLAMP** is a universal clamp that allows linemen to use it as both a 1" ball stud and 1 ½" C clamp. The ergonomic design minimizes physical effort with smoother twists allowing for a faster, easier installation.

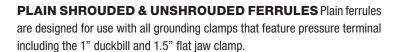
Other clamps are available. Please contact your local Salisbury representative for more information.



CAT. NO. & DESCRIPTION	ASTM Grade	CONTINUOUS CURRENT Rating (AMPS,RMS,60Hz)	WEIGHT EA. lbs. (kgs)
22675 1" Ball Stud C Clamp w/ strain relief	5H	400	2.7 (1.22)
22704 1" Ball stud C Clamp w/o strain relief	5H	400	2.6 (1.18)
21190 w/ Strain Relief Sleeve	5	400	1.2 (.54)
21277 w/o Strain Relief Sleeve	5	400	1.1 (.5)

#### BALL & SOCKET SYSTEM - BALL STUDS

CAT. NO.	DESCRIPTION	DIMENSIONS in. (mm)	WEIGHT EA. lbs. (kgs)
21191	Ball Stud Short	4.38 ( 111 )	.53 (.23)
21192	Ball Stud Long	6.13 ( 156 )	.81 (.37)
24082	Internal Thread Ball Stud	4 ( 102 )	.54 (.25)
21228	Offset NEMA Pad Short	5.13 x 1.5 ( 130 x 38 )	.84 (.38)
24087	Offset NEMA Pad Long	7 x 1.5 ( 178 x 38 )	1 (.45)
21236	Cover for Ball Stud	-	.09 (.04)



Copper ferrules are available in two different styles: unshrouded and shrouded. Shrouded ferrules are compressed on both the conductor and the jacket of the cable to reduce bending stress. Unshrouded ferrules are crimped on the conductor strands only. These ferrules are manufactured of tin plated, 99.5% pure copper.









CAT. NO.	CABLE SIZE	STRAND DIE CODES T&B	JACKET DIE CODES T&B	BURNDY DIE NUMBER	WEIGHT EA. PAIR lbs. (kgs)
COPPER SHROUL	DED				
24424	#2	50	71	-	0.30 (.14)
24425	1/0	50	71	-	0.35 (.16)
24426	2/0	60	76	-	0.40 (.18)
24427	4/0	t66	106	-	0.45 (.20)
COPPER UNSHR	OUDED				
24420	#2	50	-	-	0.30 (.14)
24421	1/0	50	-	U243	0.30 (.14)
24422	2/0	60	-	U245	0.35 (.16)
24423	4/0	66	-	U247	0.35 (.16)

#### **VOLTAGE DETECTORS**

#### SHOCK PROTECTION



SELF TESTING VOLTAGE DETECTOR KITS

CAT. NO.	SETTINGS
4556	1-4544 Detector 240V to 230kV, 1-21517 Case, 1-2500 clampstick adapter
4667	1-4644 Detector 240V to 500kV, 1-21517 Case, 1-2500 clampstick adapter
4769	1-4744 Detector 240V to 69kV, w/ URD test point setting 15, 25,35kV , 1-21517 Case, 1-2500 clampstick adapter

**SELF TESTING VOLTAGE DETECTOR KITS -** Salisbury's self-testing voltage detectors allow testing to be continuous and automatic. An intermittent flash and beep confirms the detector is functioning properly.

Self-testing voltage detectors are used to verify live or de-energized conductors. These testers may be used with insulating rubber gloves or hot sticks using the splined universal end fitting. Testers indicate voltage with an extra bright LED light and a distinctive audible signal. It is recommended that the tester be moved closer to the conductor until a warning is indicated, or it touches the conductor, apparatus, or test point. Each tester includes three "C" batteries.

The need for additional PPE can be minimized by confirming that there is no electrical hazard present before work is performed. This can be determined by using a Salisbury voltage detector attached to a insulating hot stick of a length long enough to keep the worker outside of the arc flash boundary.

The Salisbury voltage detector alarms in the proximity of electric fields, so that it is not necessary to make physical contact with the equipment being checked. It is made of non-conductive materials, meaning that it will not conduct electricity nor will it cause an arc flash, even if contact with energized equipment is made.

#### **RUB-OUT® HAND CLEANER & TOWELETTES**

CAT. NO.	DESCRIPTION	WEIGHT lbs. (kgs)
1451	RUB-OUT® 16 oz. (.45kg can) 12/pack	16 (7.3)
1452 (12.7)	RUB-OUT® 4.5 lb. (2kg cans) 6/pack	28
1453	RUB-OUT® dispenser for 4,5 lb. (2kg) can	1 (.5)
1460	RUB-OUT® towelettes tub of 60 towelettes	2.2 (1)
1461	RUB-OUT® towelettes carton of 100 single towelettes	2.4 (1.1)

#### **TEN-FOUR® GLOVE DUST**

CAT. NO.	DESCRIPTION	WEIGHT lbs. (kgs)
10-4	12, 5 oz. Squeeze bottles	5.5 (12)
10-4-4QT	4 qt. Bulk, single	8 (19)

1461 1451





#### **GENERAL CLEANERS & GLOVE DUST**

#### **RUB-OUT® HAND CLEANER & TOWELETTES -**

RUB-OUT® is a non-petroleum-based hand cleaner. Rub-out dissolves and removes grease, oil, ink, tar, pipe dope, creosote, paint and more without harming rubber or SALCOR® products. It cleans with or without water and contains natural skin conditioners that leave a fresh citrus scent. Salisbury's RUB-OUT® towelettes work fast to loosen, dissolve and absorb dirt and grease.

Our powerful yet safe cleaning agents work together with an absorbent, non-scratching abrasive cleaning towel. As a result, hands are clean and with a pleasant fragrance. After cleaning your hands, there is enough absorbency to clean your tools and other surfaces with the same towel. These shop size durable towels quickly remove tough-to-clean substances including lubricants, tar, oils, wax, caulk and much more. Put Salisbury degreasing strength to work for you.

**TEN-FOUR® GLOVE DUST** is a cooling, frictionless powder that absorbs moisture and perspiration when wearing rubber gloves. The 5-oz. bottle easily fits in a pocket or glove bag. The 4-quart bulk package is used in test labs as a dusting powder.



# WHENEVER POSSIBLE, ALWAYS DE-ENERGIZE EQUIPMENT BEFORE WORKING ON OR AROUND THEM.

#### IMPORTANT SAFETY INFORMATION FOR PPE

#### **ARC PROTECTION CLOTHING REQUIREMENTS**

OSHA 29 CFR 1910.269 (I)(6)(III) "The employer shall ensure that each employee who is exposed to the hazards of flames or electric arcs does not wear clothing that, when exposed to flames or electric arcs, could increase the extent of injury that would be sustained by the employee."

Clothing made from acetate, nylon, polyester, acrylic, polyethylene and rayon, in either pure or blended forms, should not be worn when working in hazardous environments.

ASTM F1506 details the specifications of a textile to be used by an electrical worker as a means of electrical arc protection. A garment must include a label, which states the following information: Tracking I.D. Code, Meets ASTM F1506, Manufacturer's name, Care Instructions & Fiber Content, Size and "Arc Rating" - ATPV or EBT.

ASTM F2178 is the test method used to measure arc rated products intended to protect the face of workers exposed to electrical arcs.

#### **DANGERS OF ARC FLASH**

Even relatively low voltages can be fatal. For example, electrical shocks produced from common 60 hz AC power passing from hand to foot for a duration of one second can have the following effects:

#### **EFFECTS OF ELECTRICAL SHOCK**

CURRENT	EFFECTS
1-3Milliamps	Tingling Sensation
3+Milliamps	Shock (pain)
10+Milliamps	Muscular Contractions (can't let go)
30+Milliamps	Respiratory Paralysis (may be fatal)
60+Milliamps	Ventricular Fibrillation (usually fatal)
4+Amps	Heart Paralysis (fatal)
5+Amps	Tissue Burning (fatal, vital organs destroyed)

#### **ALWAYS PERFORM A HAZARD ASSESSMENT**

The NFPA 70E Standard for Electrical Safety in the Workplace requires employers to perform an Electrical Arc Hazard Assessment. Each situation is unique and needs to be evaluated on its own merits. ASTM F1959 details the standardized test that must be used to determine the thermal protective value of textiles in an electric arc application.

Clothing selected for a particular application shall have an arc thermal performance value of (EBT or ATPV) higher than the potential hazard to prevent the onset of 2nd degree burns.

# INTRODUCING THE NEWEST PRODUCT TO THE SALISBURY BY HONEYWELL PRO-WEAR® ARC

FLASH CLOTHING LINE. The new Premium Light Weight arc flash garment maintains the high levels of protection you've come to expect from Salisbury by Honeywell while greatly increasing user comfort. The Pro-Wear® Premium Light Weight arc flash garment is made from a synthetic blend of fibers that maintain their arc rated properties for the life of the garment. The synthetic blend of fabrics is the lightest in the industry which means the user will experience greater comfort and less heat stress. Compared with the typical standard weight 40 calorie arc flash garment, the new Pro-Wear® Premium Light Weight has a total fabric weight that is on average 50% lighter. To further increase user comfort, Salisbury by Honeywell also offers the Pro-Hood® with integrated cooling option using the new premium light weight fabrics. As with all of Salisbury by Honeywell's other arc flash clothing, the new Pro-Wear® Premium Light Weight meets NFPA 70E and ASTM F1506 standards.

ARC FLASH & GLOVE INFORMATIONAL VIDEOS ARE AVAILABLE. VISIT SALISBURYBYHONEYWELL.COM FOR MORE INFORMATION.

SALISBURY PRO-WEAR® Color Code	Haza Risk Ca (HR	iegory (Typical Number of clothing layers given in parentheses)	Minimum Arc Rating of PPE
Novy Pluo	1	Arc rated long-sleeve shirt and pants or arc rated coverall plus arc rated face shield or switching hood (1)	8 cal/cm <sup>2</sup>
Navy Blue	2	Arc rated long-sleeve shirt and pants or arc rated coverall plus arc rated face shield with a balaclava or switching hood (1 or 2)	8 cal/cm <sup>2</sup>
Royal Blue	3	Arc rated long-sleeve shirt, pants and coverall and jacket and pants or total arc rated clothing system with hood (2 or 3)	25 cal/cm <sup>2</sup>
Gray / Khaki	4	Arc rated long-sleeve shirt and pants and coverall and jacket and pants or total arc rated clothing system with hood (2 or 3)	40 cal/cm <sup>2</sup>
Green	4	PLT Arc rated long-sleeve shirt and pants and coverall and jacket and pants or total arc rated clothing system with hood (2 or 3	) 40 cal/cm <sup>2</sup>

# SALISBURY INSULATED PRODUCTS (S.I.P.) - INSULATED HAND TOOLS

Every insulated hand tool is rated for exposure up to 1000VAC and dielectrically tested at 10,000VAC. These tools meet or exceed current ASTM F1505-07 and IEC 900 Standards for Insulated Hand Tools. These tools will help you to be compliant with OSHA 29 CFR 1910 Subpart S and NFPA 70E.

TO FULLY COMPLY WITH OSHA 1910.333 (C)(2) AND NFPA 70E, INSULATED HAND TOOLS MUST BE USED. A COMPLETE INSULATED TOOL PROGRAM SHOULD BE IN PLACE TO MEET THESE STANDARDS.

The insulating material used is impact resistant and flame retardant. The two-color insulation makes inspection easier which adds to the overall safety. If the yellow under layer is showing, the tool may no longer be insulated properly and should be considered for electrical retesting.

Meets IEC 900 Standard for Insulated Hand Tools Exceed current ASTM F1505-07 Standards for Insulated Hand Tools

Helps Meet OSHA Requirements

Meets NFPA 70E Requirements

Impact Resistant & Flame Retardant Two-Color Insulating Material

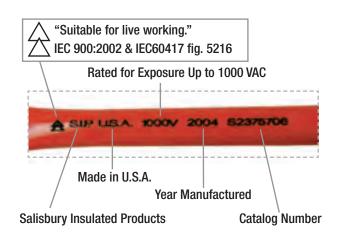
OFFERING OVER 2,000 TOOLS!

SEE OUR NEW NON-SPARKING TOOL OFFERING SEE PAGE 84.

WARNING: SALISBURY INSULATED TOOLS ARE TO BE USED AS SECONDARY PROTECTION AND ARE NOT INTENDED TO BE USED IN PLACE OF OTHER PERSONAL

PROTECTIVE EQUIPMENT. WHENEVER POSSIBLE, ALWAYS DE-ENERGIZE LINES BEFORE WORKING ON OR AROUND THEM. ALTHOUGH THE INSULATION ON SALISBURY TOOLS IS IMPACT RESISTANT AND FLAME RETARDANT, EACH TOOL SHOULD BE INSPECTED PRIOR TO EACH USE FOR CRACKS, CUTS, OR OTHER DAMAGE. SHOULD THE YELLOW INSULATION BECOME VISIBLE THROUGH THE ORANGE OUTER LAYER, DISCONTINUE USE IMMEDIATELY.

#### **INSULATED HAND TOOL MARKINGS**



# OFFERING OVER 2,000 TOOLS!

**NOTE:** Contact your local Salisbury by Honeywell Representative for your tool needs not seen here. Our tool line is capable of customizing and supplying almost any tool with protection up to 1000V.

Salisbury can also supply customized tool kits and insulate almost any customer tools if necessary.





#### TELECOMMUNICATION TOOL BOX

TELECOMMONICATION TOOL BOX		
CAT. NO.	DESCRIPTION	
3 3 8 5 9 6 8 8	6 pcs. Includes: //8"Dr ratchet //8"Drive torque ratchet 10"long 30-150 in/lb "Extension Regular sockets 12pt: 3/8", 7/16", 1/2", 9/16" //8" Deep socket 3/8"drive "Lineman Pliers "Needle nose Pliers "Slip joint Pliers Slotted screwdrivers: 3/16 x 4", 1/4 x 6", 5/16 x 6", 3/8 x 8" *2 x 6" Phillips screwdriver In a high impact plastic tool box	

#### TELECOMMUNICATION TOOL POWER CONNECTING KIT

CAT. NO.	DESCRIPTION
S10TK23	24 pcs. Includes: Close quarters socket set 3/8"drive with ratchet 3" Extension Regular sockets 12pt: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1" 6" Adjustable wrench
	Nut driver set 3": 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2" In a high impact plastic tool box





#### **INSIDE MAINTENANCE BOX**

#### CAT. NO.

#### DESCRIPTION

S10TK40

40 pcs. Includes:

Narrow tip screwdrivers:  $3/16 \times 6$ ",  $1/4 \times 6$ "

Slotted tip screwdriver: 3/8 x 6"

Phillips screwdrivers: #1 x 3", #2 x 6"

Nutdrivers: 3/16 x 3", 1/4 x 3", 5/16 x 3", 11/32 x 3",

3/8 X 3", 7/16 x 3", 1/2 x 3", 9/16 x 3"

Torque wrench 30 - 150 in/lb

3/8"Drive reversible ratchet

3", 6" and 12" Extensions, 3/8" drive

 $8\ \text{Pcs.}\ 3/8"$  to 13/16" Deep 12 pt. socket set

8 Pcs. 3/8" to 13/16" Box end wrench set

6" Type "I" Hex wrenches, long arm: 3/16", 1/4",

5/16",3/8"

10" Water pump Pliers

In a high impact plastic tool box

#### DELUXE MAINTENANCE TOOL KIT

#### CAT. NO.

#### DESCRIPTION

TK30

29 pcs. Includes:

Slotted screwdrivers: 1/8 x 2", 3/16 x 6", 1/4 x 4"

Phillips screwdriver: #1 x 3", #2 x 6"

Torque Wrench 3/8"drive 10"Long 30-150 ln/Lb

3/8" Drive reversible ratchet

3" and 6" Extensions, 3/8" drive, 4nm -23nm

8 pcs. 3/8" to 13/16" Deep 12 pt. Socket set, 3/8" drive

8 pcs. 3/8" to 13/16" Box end wrench set

7-1/2" Diagonal cutting Pliers

8" Needle nose Pliers

9" Lineman Pliers

Mini flashlight

In a high impact plastic tool box





#### **BASIC ELECTRICIAN ROLL**

#### CAT. NO.

#### **DESCRIPTION**

TK9

9 pcs. Includes:

Slotted screwdrivers: 3/16 x 4", 3/16 x 6",1/4 x 6"

Phillips screwdrivers: #1 x 3", #2 x 4"

8" Needle nose Pliers

7-1/2" Diagonal cutting Pliers

9" Lineman Pliers

Combination stripper / crimper Pliers

In a tool roll bag

#### **OUTSIDE MAINTENANCE BOX**

#### CAT. NO.

#### DESCRIPTION

S10TK25

5 24 pcs. Includes:

1/4 X 6" Narrow tip screwdriver #2 x 8" Phillips screwdriver

Nutdrivers: 3/8 x 3", 7/16 x 3", 1/2 x 3", 9/16 x 3"

Torque wrench 30 - 150 in/lb Reversible ratchet 3/8"drive

3", 6" and 12" Extensions, 3/8" drive

8 Pcs. 3/8" To 13/16" deep 12 pt. Socket set

6" Type "I" Hex wrenches, long arm: 3/16", 1/4",5/16",3/8"

10" Water pump Pliers

In a high impact plastic tool box

#### **INSULATED TOOL KITS**





#### CAT. NO. DESCRIPTION

TK60E

59 pcs. Includes:

Slotted screwdrivers: 1/8 x 2", 3/16 x 4", 3/16 x 6",

1/4 x 6", 5/16 x 6"

Phillips screwdriver: #2 x 4", #2 x 8"

Nutdrivers: 3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2

Reversible ratchet, 3/8"dr 3" and 6" Extensions, 3/8"dr

10 pcs 5/16" to 7/8", 3/8"Dr socket set 11 pcs 3/8" to 1" Box end wrench set

14 pcs. 1/16" to 1/2", 6" Long arm, type "I" hex wrench set

7-1/2" Diagonal cutting Pliers

8" Needle nose Pliers

9" Lineman Pliers

9-1/2" Cable cutting Pliers

10" Water pump Pliers

Combination stripper / crimper Pliers

In a plastic box, including tool pouch rolls

#### **HOT BOX TOOL KIT**

#### CAT. NO. **DESCRIPTION**

TK60

60 pcs. Includes:

Slotted screwdrivers: 1/8 x 2", 3/16 x 4", 3/16 x 6",

1/4 x 6", 5/16 x 6"

Phillips screwdrivers: #2 x 4", #2 x 8"

Nutdrivers: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"

Torque wrench 30 - 150 in/lb; 3/8"Dr, reversible ratchet

3" and 6" Extensions, 3/8"dr

10 pcs. 5/16" to 7/8", 3/8"Dr socket set 11 pcs. 3/8" to 1" Box end wrench set

14 pcs. 1/16" to 1/2", 6" Long arm, type "I" hex wrench set

7-1/2" Diagonal cutting Pliers,

8" Needle nose Pliers

9" Lineman Pliers

9-1/2" Cable cutting Pliers

10" Water pump Pliers

Combination stripper/crimper Pliers In a plastic box, including tool pouch rolls



#### **ELECTRICIAN'S TOOL KIT**

#### CAT. NO. **DESCRIPTION**

TK30ETK

30 pcs. Includes:

9" Lineman Pliers

8" HD slip joint Pliers with cutting shear

Crimping tool

10" Tongue and groove Pliers (waterpump)

Slotted screwdrivers: 3/16" x 4", 1/4" x 4", 1/4" x 6",

5/16" X 6", 3/8" x 8", 3/16" x 6" Phillips screwdrivers: #1 x 3", #2 x 4"

Nut drivers: 1/4" x 3", 5/16" x 3", 3/8" x 3", 7/16" x 3",

1/2" X 3", 3/16" x 3", 11/32" x 3"

8" Long needle nose Pliers with side cutter

7" Box joint cutting Pliers

9-1/2" Pliers cutting Pliers

12" Tong and groove (waterpump)

6" Flat nose Pliers

Long arm, type "t" hex wrenches: 3/16" 6", 1/4" 6",

5/16" 6", 3/8" 6", 7/16" 6", 1/2" 6"

In a high impact plastic tool box

#### **HVAC TOOL KIT**

#### CAT. NO.

#### **DESCRIPTION**

S10TK12

HVAC tool kit - 23 pcs. Includes:

Slotted screwdrivers: 3/16 x 4", 3/16 x 6", 1/4 x 4",

1/4 x 6". 5/16 x 6". 3/8 x 8"

Phillips screwdrivers: #1 x 3", #2 x 4"

Nutdrivers: 3/16 x 3", 1/4 x 3", 5/16 x 3", 11/32 x 3",

3/8 X 3", 7/16 x 3", 1/2 x 3"

Type "I"hex wrenches, long arm: 3/16", 1/4", 5/16",

3/8", 7/16", 1/2"

8" Long needle nose Pliers w/ side cutter

12" Rectangular inspection mirror

In a plastic box, including tool puch rolls











TK13TC SERVICE TOOL KIT for Unigy™ I & II Battery System

#### 1000V ELECTRICAL INSULATED TOOL KIT FOR HYBRID

**VEHICLES** - Do you have the necessary tools to guard against the dangers of electrocution from hybrid-electric vehicles?

Mechanics and firefighters should be cautious when working on hybrid vehicles because hybrid vehicles use a combination of a gasoline motor and a high voltage electric motor. The electric motor operates on voltages as high as 500 volts. That's more than eight times the lethal voltage! Don't be caught worrying about the "what ifs" while working on these vehicles.

#### 1000V UTILITY INSULATED HAND TOOL KITS

Salisbury makes working in the field even easier with these three utility tool kits.

Salisbury offers three specially designed utility insulated hand tool kits. These convenient tool kits include everything you need for routine utility applications. Salisbury is proud to offer a 24 piece substation tool kit, a 16 piece meter tool kit and a 15 piece Lineman's Secondary Distribution Tool Kit. Each kit includes easy storage tool rolls and light weight tool box.

CAT. NO.	DESCRIPTION
TK12HB	Hybrid Tool Kit; Includes: 10" crimping tool, 9" side cutter, 8" slip joint cutter, 6" chain nose Pliers , 6" diagonal Pliers , 10" water pump Pliers , screwdrivers: #1 x 4, #2 x 4, $3/16$ " x 4, $1/4$ " x 4, $1/4$ " x 6, $5/16$ " x 6 and tool box
TK24SS	Substation Kit; Includes: (5) 3/8" - 3/4" box wrenches, (5) 3/8" - 3/4" ratcheting box wrenches, (5) 3/8" - 3/4" std. Sockets, 3/8" ratchet with 3" & 6" extension, #1 x 3", #2 x 6", #3 x 6" phillips screwdrivers, skinning knife, (2) tool rolls and sturdy tool box
TK16MT	Meter Kit; Includes: 9" lineman's Pliers, 7" diagonal cutters, 8" long nose Pliers, 5/16", 3/8", 1/2" nut drivers, #1 x 3", #2 x 4", #3 x 6" phillips screwdrivers, 1/8" x 2", 1/4" x 6", 3/16" x 4", 3/16" x 6" slotted screwdrivers, fuse puler, (2) tool rolls and sturdy tool box
TK15LM	Lineman's Secondary Distribution Tool Kit; Includes: (9) 7/16" - 15/16" ratcheting box wrenches, skinning knife, 3/8" x 12" slotted screwdriver, 30" bolt cutter, 12" "v" groove Pliers, 9" spring loaded lineman's Pliers, 10" adj. Wrench, (2) tool rolls and sturdy tool box
TK13TC	Service Tool Kit for Unigy™ I & II Battery System; Includes: 1/4" Dr. 30-150 In./Lbs., 7/16" ratcheting box wrench (2), 5/16" x 1/4" & 7/16 x 1/4" Dr. unbooted sockets, 6" x 1/4" Dr. extension, 3/8" x 1/4" & 7/16" x 1/4" Dr. socket, valve shroud removal tool, 1/4" Dr. 1-36 in./lbs. torque screwdriver, 17 mm x 1/4" Dr. allen socket, 17 mm sa allen wrench stub, 1/4" Dr. ratchet 4.5", 7/16" ratchet box torque wrench preset 125 in./ lbs., 10 pocket nylon tool roll, 17 mm x 1/4" Dr. allen socket

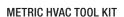
#### METRIC INSULATED TOOL KITS







S10TK25M



CAT. NO. **DESCRIPTION** 

S10TK12M HVAC tool kit; 23 pcs. includes:

Slotted screwdrivers: 3/16 x 4", 3/16 x 6", 1/4 x 4",

1/4 x 6", 5/16 x 6", 3/8 x 8'

Phillips screwdrivers: #1 x 3", #2 x 4"

Nutdrivers: 3" long: 5mm, 6mm, 7mm, 8mm, 10mm, 12mm Type "I"hex wrenches, long arm: 5mm, 6mm, 7mm, 8mm,

10mm, 12mm

8" Long needle nose Pliers w/ side cutter

12" Rectangular inspection mirror

In a plastic box, including tool rolls

#### METRIC OUTSIDE MAINTENANCE BOX

#### CAT. NO. **DESCRIPTION**

S10TK25M 24 pcs. Includes:

1/4 x 6" Narrow tip screwdriver #2 X 8" Phillips screwdriver

Nutdrivers: 9mm x 3", 10mm x 3", 11mm x 3", 12mm x 3"

Torque wrench 30 - 150 in/lb 3nm-23nm

Reversible ratchet 3/8" drive

3". 6" And 12" extensions. 3/8" drive

8 pcs. 10mm-21mm Deep 12 pt. Socket set

Type "I"hex wrenches, long arm: 5mm, 6mm, 8mm, 10mm

10" Water pump Pliers

In a high impact plastic tool box

#### METRIC DELUXE MAINTENANCE TOOL KIT

#### CAT. NO. **DESCRIPTION**

TK30M 29 pcs. Includes:

Slotted screwdrivers: 1/8 x 2", 3/16 x 6", 1/4 x 4"

Phillips screwdriver: #1 x 3", #2 x 6"

Torque Wrench 3/8"drive 10"Long 30-150 In/Lb

3/8" Drive reversible ratchet

3" and 6" Extensions, 3/8" drive, 4nm -23nm

8 pcs. 12 pt. Socket set, 3/8" drive: 10mm, 11mm, 12mm,

14mm, 16mm, 18mm, 19mm, 21mm

8 pcs. Box end wrench set: 10mm, 11mm, 12mm, 14mm,

16mm, 18mm, 19mm, 21mm

7" Diagonal cutting Pliers

8" Needle nose Pliers

9" Lineman Pliers

Mini flashlight

In a high impact plastic tool box

#### METRIC HOT BOX TOOL KIT

#### **DESCRIPTION** CAT. NO.

TK60M 60 pcs. Includes:

Slotted screwdrivers: 1/8 x 2", 3/16 x 4", 3/16 x 6",

1/4 X 6", 5/16 x 6"

Phillips screwdrivers: #2 x 4", #2 x 8"

3" Long nutdrivers

Torque wrench 30 - 150 in/lb; 4nm-23nm

3/8"Dr. reversible ratchet 3" and 6" Extensions, 3/8" dr

10 pcs. 8mm-22mm, 3/8"Dr socket set

11 pcs. 10mm-27mm Box end wrench set

14 pcs. 1.5mm-12mm Hex wrench set

7-1/2" Diagonal cutting Pliers

8" Needle nose Pliers

9" Lineman Pliers

9-1/2" Cable cutting Pliers

10" Water pump Pliers

Combination stripper/crimper Pliers

In a plastic box, including tool rolls

#### METRIC HOT BOX TOOL KIT WITHOUT TORQUE WRENCH

#### CAT. NO. **DESCRIPTION**

TK60EM 59 pcs. Includes:

Slotted screwdrivers:1/8 x 2", 3/16 x 4", 3/16 x 6",

1/4 x 6", 5/16 x 6"

Phillips screwdriver: #2 x 4", #2 x 8"

3" Long nutdrivers: 5mm, 6mm, 7mm, 8mm, 9mm,

11mm, 12mm

Reversible ratchet, 3/8"dr

3" and 6" Extensions, 3/8"dr

10 pcs 8mm-22mm, 3/8"Dr socket set

11 pcs 10mm-27mm Box end wrench set

14 pcs. 1.5mm-12mm Hex wrench set

7-1/2" Diagonal cutting Pliers

8" Needle nose Pliers

9" Lineman Pliers

9-1/2" Cable cutting Pliers

10" Water pump Pliers

Combination stripper / crimper Pliers

In a plastic box, including tool rolls

#### **METRIC INSULATED TOOL KITS**





#### METRIC TELECOMMUNICATION TOOL POWER CONNECTING KIT

CAT. NO.	DESCRIPTION

S10TK23M 23 pcs. Includes:

Metric close quarters socket set 3/8"drive with ratchet 3" & 6" Extension

Regular sockets 12pt: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm

6" Adjustable wrench

Nut driver set 3": 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm

In a high impact plastic tool box

#### METRIC INSIDE MAINTENANCE BOX

#### CAT. NO. **DESCRIPTION** S10TK40M 39 pcs. Includes: Narrow tip screwdrivers: 3/16 x 6", 1/4 x 6" Slotted tip screwdriver: 3/8 x 6" Phillips screwdrivers: #1 x 3", #2 x 6" Nutdrivers: 3" long: 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm Torque wrench 30 - 150 in/lb 3nm-23nm 3/8"Drive reversible ratchet 3", 6" and 12" Extensions, 3/8" drive 8 pcs. 10mm-21mm Deep 12 pt. Sckt set 8 pcs. 10mm-21mm Box end wrench set Type "I" hex wrenches, long arm: 5mm, 6mm, 8mm, 10mm 10" Water pump Pliers

In a high impact plastic tool box





#### METRIC ELECTRICIAN'S TOOL KIT

CAT. NO.	DESCRIPTION
TK30ETKM	30 pcs. Includes:
	9"Lineman Pliers
	8" hd slip joint Pliers with cutting shear
	Crimping tool
	10" Tongue and groove Pliers (waterpump)
	Slotted screwdrivers: 3/16" x 4", 1/4" x 4", 1/4" x 6",
	5/16" x 6", 3/8" x 8", 3/16" x 6";
	Phillips screwdrivers: #1 x 3", #2 x 4"
	Nut drivers: 5mm x 3", 6mm x 3", 7mm x 3", 8mm x 3", 9mm x 3", 11mm x 3", 12mm x 3";
	8" Long needle nose Pliers with side cutter
	7" Box joint cutting Pliers
	9-1/2" Pliers cutting Pliers
	12" Tong and groove (waterpump)
	6" Flat nose Pliers
	Long arm, type "T" hex wrenches:4mm x 6", 5mm x 6",
	6mm x 6". 8mm x 6". 10mm x 6". 12mm x 6"

#### METRIC TELECOMMUNICATION TOOL BOX

In a high impact plastic tool box

METHIO TELEGOMMONIOATION TOOL BOX		
DESCRIPTION		
16 pcs. Includes: 3/8"Dr ratchet 3/8"Drive torque ratchet 10"long 30-150 in/lb 3nm-23nm 3" Extension Regular sockets 12pt:10mm, 11mm, 12mm, 14mm, 16mm 16 mm Deep socket 3/8"drive 9" Lineman Pliers 6" Needle nose Pliers 8" Slip joint Pliers Slotted screwdrivers: 3/16 x 4", 1/4 x 6", 5/16 x 6", 3/8 x 8" #2 X 6" Phillips screwdriver In a high impact plastic tool box		

#### **SCREWDRIVERS & NUTDRIVERS**

All Salisbury insulated screwdrivers are two color insulated for added safety. High alloy steel blade for maximum strength and ergonomic handle for comfort.

#### INSULATED SLOTTED SCREWDRIVERS

WITH CUSHION GRIP

Available in these blade widths:

1/8" - 3/8"



#### **INSULATED TORX SCREWDRIVERS**

Available in these size ranges:

T10- T50



#### **INSULATED PHILLIPS & ROBERTSON SCREWDRIVERS**

WITH CUSHION GRIP

#0 X 2"

#### Phillips available in these sizes:

#1 X 3"
#2 X 1-1/2"
#2 X 4"
#2 X 6"
#3 X 6"
#4 X 8"

#### Robertson available in these sizes:





#### A wide variety of torx screwdrivers are available upon request.

#### **INSULATED SLOTTED SCREWDRIVERS**

WITH CHEHION CDID

WITH COSHION GRIP		
CAT. NO.	DESCRIPTION	
S2376802	1/8" X 2"	
S2376806	1/8" X 6"	
S2375904	3/16" X 4"	
S2375906	3/16" X 6"	
S2375908	3/16" X 8"	
S2375910	3/16" X 10"	
S2375704	1/4" X 4"	
S2375705	1/4" X 6"	
S2375706	5/16" X 6"	
S2375708	3/8" X 8"	
S2375710	3/8" X 10"	
S2375712	3/8" X 12"	

#### INSULATED TORX SCREWDRIVERS

CAT. NO.	DESCRIPTION
S2341410	T10 X 3" Blade
S2341415	T15 X 3" Blade
S2341420	T20 X 3" Blade
S2341425	T25 X 3" Blade
S2341427	T27 X 4" Blade
S2341430	T30 X 4" Blade
S2341440	T40 X 6" Blade
S2341445	T45 X 6" Blade
S2341450	T50 X 6" Blade

#### **INSULATED PHILLIPS SCREWDRIVERS**

#### WITH CUSHION GRIP

CAT. NO.	DESCRIPTION
S2376302	#0 X 2" Phillips
S2376103	#1 X 3" Phillips
S2376103A	#1 X 6" Phillips
S2376102	#2 X 1-1/2" Phillips
S2376104	#2 X 4" Phillips
S2376105	#2 X 6" Phillips
S2376105A	#2 X 8" Phillips
S2376106	#3 X 6" Phillips
S2376108	#4 X 8" Phillips

#### INSULATED ROBERTSON SCREWDRIVERS

WITH CUSHION	GRIP
S2377610	#1 X 4" Robertson
S2377611	#1 X 8" Robertson
S2377620	#2 X 4" Robertson
S2377621	#2 X 8" Robertson
S2377630	#3 X 4" Robertson
S2377631	#3 X 8" Robertson

#### MAGNETIC BIT TIP SCREWDRIVER

CAT. NO.	DESCRIPTION
S2742614	3/16", 1/4", #1, #2 Bits

#### **SCREWDRIVER & NUTDRIVER KIT SETS AND TOOLS**

#### **INSULATED NUTDRIVERS**

#### WITH CUSHION GRIP

#### 3" Lengths available in these sizes

3/16"	5mm
1/4''	6mm
5/16''	7mm
11/32''	8mm
3/8''	9mm
7/16''	10mm
1/2"	11mm
9/16''	12mm
5/8''	16mm

#### 6" Lengths available in these sizes:

Longino a	vanabic iii t
3/16''	5mm
1/4''	6mm
5/16"	7mm
11/32"	8mm
3/8"	9mm
7/16''	10mm
1/2"	11mm
9/16"	12mm
5/8"	16mm

#### 3" LENGTH INSULATED NUTDRIVERS



WITH CUSHION GRIP		
	CAT. NO.	DESCRIPTION
	S2542010	3/16" X 3"
	S2542030	1/4" X 3"
	S2542050	5/16" X 3"
	S2542060	11/32" X 3"
	S2542070	3/8" X 3"
	S2542080	7/16" X 3"
	S2542090	1/2" X 3"
	S2542100	9/16" X 3"
	S2542110	5/8" X 3"
	S2542710	5mm X 3"
	S2542730	6mm X 3"

7mm X 3"

8mm X 3"

9mm X 3"

10mm X 3"

11mm X 3"

12mm X 3"

#### **6" LENGTH INSULATED NUTDRIVERS**

WITH CUSHION	GRIP
CAT. NO.	DESCRIPTION
S2542010L	3/16" X 6"
S2542030L	1/4" X 6"
S2542050L	5/16" X 6"
S2542060L	11/32" X 6"
S2542070L	3/8" X 6"
S2542080L	7/16" X 6"
S2542090L	1/2" X 6"
S2542100L	9/16" X 6"
S2542110L	5/8" X 6"
S2542710L	5mm X 6"
S2542730L	6mm X 6"
S2542750L	7mm X 6"
S2542760L	8mm X 6"
S2542770L	9mm X 6"
S2542780L	10mm X 6"
S2542790L	11mm X 6"
S2542800L	12mm x 6"



S25921

S2542750 S2542760

S2542770

S2542780

S2542790

S2542800

#### **NUTDRIVER 6" LENGTH SETS WITH CUSHION GRIP**

CAT. NO.	DESCRIPTION
S25922L	9 Tools + tool roll bag: 3/16"; 1/4"; 5/16"; 11/32"; 3/8"; 7/16"; 1/2", 9/16"; 5/8"
S25925L	Metric set, 8 tools + tool roll bag: 5mm; 6mm; 7mm; 8mm; 9mm; 10mm; 11mm; 12mm

#### **NUTDRIVER 3" LENGTH SETS WITH CUSHION GRIP**

CAT. NO.	DESCRIPTION
S25921	7 Tools + tool roll bag: 3/16"; 1/4"; 5/16"; 11/32"; 3/8"; 7/16"; 1/2"
S25922	9 Tools + tool roll bag: 3/16"; 1/4"; 5/16"; 11/32"; 3/8"; 7/16"; 1/2", 9/16"; 5/8"
S25925	Metric set, 8 tools + tool roll bag: 5mm: 6mm: 7mm: 8mm: 9mm: 10mm: 11mm: 12mm

#### SCREWDRIVER SETS WITH CUSHION GRIP

CAT. NO.	DESCRIPTION
S23871	6 Tools + tool roll bag: #1 X 3"; #2 X 4"; 1/8" X 2"; 3/16" X 6"; 1/4" X 4"; 5/16" X 6"
S23869	8 Tools + tool roll bag: #1 X 3"; #2 X 4"; 1/8" X 2"; 3/16" X 6"; 3/16" X 10"; 1/4" X 4"; 5/16" X 6"; 3/8" X 8"
S23870	10 Tools + tool roll bag: #1 X 3"; #2 X 4"; #3 X 6"; 1/8" X 2"; 3/16" X 6"; 3/16" X 10"; 1/4" X 4"; 5/16" X 6"; 3/8" X 8"; 3/8" X 12"

#### **WRENCH SETS**

#### AVAILABLE IN BOTH SAE & METRIC SIZES

#### **OPEN END WRENCH SETS**

CAT. NO.	DESCRIPTION
S241713	13 pcs. 1/4" - 1" In a tool roll bag
S241714	14 pcs. 3/8" - 1-1/4" In a tool roll bag
S241814	13 pcs. 7mm - 19mm, In a tool roll bag
S241818	17 pcs. 7mm - 24mm, In a tool roll bag

#### OPEN END WRENCH SETS

CAT. NO.	DESCRIPTION
S241780	8 pcs. 1" - 1-1/2" In a bag
S241790	6 pcs. 1-5/8" - 2" In a bag

#### **BOX END WRENCH SETS**

CAT. NO.	DESCRIPTION
S241713-B	13 pcs. 1/4" - 1" In a roll bag
S241714-B	14 pcs. 3/8" - 1-1/4" In a tool roll bag
S241814-B	13 pcs. 7mm - 19mm, In a tool roll bag
S241818-B	17 pcs. 7mm - 24mm, In a tool roll bag

#### **BOX END WRENCH SETS**

CAT. NO.	DESCRIPTION
S241780-B	8 pcs. 1" - 1-1/2" In a bag
S241790-B	6 pcs. 1-5/8" - 2" In a bag





#### **OPEN END WRENCHES**

#### AVAILABLE IN BOTH SAE & METRIC SIZES

SAE sizes from 1/4" - 2" Metric sizes from 6mm - 36mm

#### **OPEN END WRENCH METRIC SIZES**

OPEN EN	D WRENCH METRIC SIZES	
CAT. NO.	DESCRIPTION	
S248306	6mm	
S248307	7mm	
S248308	8mm	
S248309	9mm	
S248310	10mm	
S248311	11m	
S248312	12mm	
S248313	13mm	
S248314	14mm	
S248315	15mm	
S248316	16mm	
S248317	17mm	
S248318	18mm	
S248319	19mm	
S248320	20mm	
S248321	21mm	
S248322	22mm	
S248323	23mm	
S248324	24mm	
S248325	25mm	
S248326	26mm	
S248327	27mm	
S248328	28mm	
S248329	29mm	
S248330	30mm	
S248332	32mm	
S248336	36mm	

#### OPEN END WRENCH SAE SIZES

CAT. NO.	DESCRIPTION	
S2488408	1/4"	
S2488410	5/16"	
S2488412	3/8"	
S2488414	7/16"	
S2488416	1/2"	
S2488418	9/16"	
S2488420	5/8"	
S2488422	11/16"	
S2488424	3/4"	
S24C26	13/16"	
S24C28	7/8"	
S24C30	15/16"	
S24C32	1"	
S24C34	1-1/16"	
S24C36	1-1/8"	
S24C40	1-1/4"	
S24C42	1-5/16"	
S24C44	1-3/8"	
S24C46	1-7/16"	
S24C48	1-1/2"	
S24C52	1-5/8"	
S24C54	1-11/16"	
S24C56	1-3/4"	
S24C58	1-13/16"	
S24C60	1-7/8"	
S24C64	2"	



#### RATCHETING BOX END WRENCH

12 POINT SAE SIZES		
CAT. NO.	DESCRIPTION	
S249008	1/4"	
S249010	5/16"	
S249011	11/32"	
S249012	3/8"	
S249014	7/16"	
S249016	1/2"	
S249018	9/16"	
S249020	5/8"	
S249022	11/16"	
S249024	3/4"	
S249026	13/16"	
S249028	7/8"	
S249030	15/16"	
S249032	1"	
S249034	1-1/16"	
S249036	1-1/8"	
S249038	1-1/4"	
S24RB-42	1-5/16"	
S24RB-44	1-3/8"	
S24RB-46	1-7/16"	
S24RB-48	1-1/2"	
S24RB-50	1-9/16"	
S24RB-52	1-5/8"	
S24RB-54	1-11/16"	

#### RATCHETING BOX END WRENCH

1-3/4"

1-7/8" 2"

2-1/8"

1-13/16"

#### 12 POINT METRIC SIZES

S24RB-56

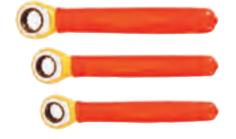
S24RB-58

S24RB-60

S24RB-64 S24RB-68

12 PUINT W	ETRIC SIZES	
CAT. NO.	DESCRIPTION	
S249115	15mm 12 Point	
S249116	16mm 12 Point	
S249117	17mm 12 Point	
S249118	18mm 12 Point	
S249119	19mm 12 Point	
S249120	20mm 12 Point	
S249121	21mm 12 Point	
S249122	22mm 12 Point	
S249123	23mm 12 Point	
S249124	24mm 12 Point	
S249125	25mm 12 Point	
S249126	26mm 12 Point	
S249127	27mm 12 Point	
S249129	29mm 12 Point	
S249130	30mm 12 Point	
S249132	32mm 12 Point	
S249134	34mm 12 Point	
S249136	36mm 12 Point	

#### RATCHETING BOX END WRENCHES



#### RATCHETING BOX END WRENCH

6 POINT METRIC SIZES

CAT. NO.	DESCRIPTION	
S249106	6mm 6 Point	
S249107	7mm 6 Point	
S249108	8mm 6 Point	
S249109	9mm 6 Point	
S249110	10mm 6 Point	
S249111	11mm 6 Point	
S249112	12mm 6 Point	
S249113	13mm 6 Point	
S249114	14mm 6 Point	

#### **BOX END WRENCH**

SAE SIZES - 12 POINT

CAT. NO.	DESCRIPTION
S2488408-B	1/4"
S2488410-B	5/16"
S2488412-B	3/8"
S2488414-B	7/16"
S2488416-B	1/2"
S2488418-B	9/16"
S2488420-B	5/8"
S2488422-B	11/16"
S2488424-B	3/4"
S24C26-B	13/16"
S24C28-B	7/8"
S24C30-B	15/16"
S24C32-B	1"
S24C34-B	1-1/16"
S24C36-B	1-1/8"
S24C40-B	1-1/4"
S24C42-B	1-5/16"
S24C44-B	1-3/8"
S24C46-B	1-7/16"
S24C48-B	1-1/2"
S24C52-B	1-5/8"
S24C54-B	1-11/16"
S24C56-B	1-3/4"
S24C58-B	1-13/16"
S24C60-B	1-7/8"
S24C64-B	2"



#### **BOX END WRENCH**

METRIC SIZES - 12 POINT		
CAT. NO.	DESCRIPTION	
S248306-B	6mm	
S248307-B	7mm	
S248308-B	8mm	
S248309-B	9mm	
S248310-B	10mm	
S248311-B	11mm	
S248312-B	12mm	
S248313-B	13mm	
S248314-B	14mm	
S248315-B	15mm	
S248316-B	16mm	
S248317-B	17mm	
S248318-B	18mm	
S248319-B	19mm	
S248320-B	20mm	
S248321-B	21mm	
S248322-B	22mm	
S248323-B	23mm	
S248324-B	24mm	
S248325-B	25mm	
S248326-B	26mm	
S248327-B	27mm	
S248328-B	28mm	
S248329-B	29mm	
S248330-B	30mm	
S248332-B	32mm	
S248336-B	36mm	

#### **WRENCHES**

#### AVAILABLE IN BOTH SAE & METRIC SIZES

#### RATCHETING BOX END WRENCH SET

CAT. NO.	DESCRIPTION
S24RB-13	13 pcs. 1/4" - 1", 12 Point In a tool roll bag
S24RBM-15	15 pcs. 7mm - 21mm, In a tool roll bag

#### RATCHETING BOX END WRENCH SET

MAIGHEIM	U DOX LIND WINLINGII OLI
CAT. NO.	DESCRIPTION
S24RB-12	15 pcs. 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2", 1-9/16", 1-5/8", 1-11/16", 1-3/4", 1-13/16", 1-7/8", 2", 2-1/8" 12 point In a tool bag
S24RBM-10	10 pcs. 22, 23, 24, 25, 26, 27, 29, 30, 32, 36mm In a tool bag







S262344 11 pcs. 5/64 - 3/8" 6" Long In plastic tool roll bag  S2613P 13 pcs. 5/64 - 1/2" 6" Long In a tool roll bag  S2610M 10 pcs. 2mm-12mm 6" Long In a tool roll bag	CAT. NO.	DESCRIPTION
6" Long In a tool roll bag  S2610M 10 pcs. 2mm-12mm 6" Long	S262344	6" Long
6" Long	S2613P	6" Long
- In a tool for bug	S2610M	•





#### HEX WRENCH TYPE "L" SET

CAT. NO.	DESCRIPTION
S2610214	14 pcs. 1/16" - 1/2" Long arm In a tool roll bag
S2610217	16 pcs. 1/16" - 5/8" Long arm In a tool roll bag
S2610610	10 pcs. 1.5mm - 12.0mm Long arm In a tool roll bag
S2610614	12 pcs. 1.5mm - 17.0mm Long arm In a tool roll bag



**AVAILABLE IN BOTH SAE & METRIC SIZES** 

SAE sizes from 5/64" - 9/16" Metric sizes from 2mm - 12mm





#### 6" LONG "T" HANDLE HEX WRENCH

SAE SIZES	" HANDLE HEX WKENCH
CAT. NO.	DESCRIPTION
S2631605	5/64"
S2631606	3/32"
S2631607	7/64"
S2631608	1/8"
S2631609	9/64"
S2631610	5/32"
S2631612	3/16"
S2631614	7/32"
S2631616	1/4"
S2631620	5/16"
S2631624	3/8"
S2651628	7/16"
S2651632	1/2"
S2651634	9/16"

#### 6" LONG "T" HANDLE HEX WRENCH

O LUNU I	HANDLE HEX WHENCH
METRIC SIZES	8
CAT. NO.	DESCRIPTION
S2634620	2mm
S2634625	2.5mm
S2634630	3mm
S2634640	4mm
S2634650	5mm
S2634660	6mm
S2634680	8mm
S2634690	10mm
S2654691	11mm
S2654692	12mm

#### AVAILABLE IN BOTH SAE & METRIC SIZES

#### LONG ARM HEX WRENCH

#### AVAILABLE IN BOTH SAE & METRIC SIZES

SAE sizes from 1/16" - 2" Metric sizes from 1.5mm - 36mm



### LONG ARM HEX WRENCH

SAE SIZES	
CAT. NO.	DESCRIPTION
S262223	1/16"
S262224	5/64"
S262225	3/32"
S262226	7/64"
S262227	1/8"
S262228	9/64"
S262229	5/32"
S262231	3/16"
S262233	7/32"
S262235	1/4"
S262239	5/16"
S262243	3/8"
S262247	7/16"
S262251	1/2"
S262255	9/16"
S262259	5/8"
S262267	3/4"
S262275	7/8"
S262283	1"
S262291	1-1/8"

# SIZES UP TO 2" AVAILABLE UPON REQUEST.

#### LONG ARM HEX WRENCH

METRIC SIZE	S
CAT. NO.	DESCRIPTION
S2615603	1.5mm
S2615604	2mm
S2615605	2.5mm
S2615606	3mm
S2615607	3.5mm
S2615608	4mm
S2615609	4.5mm
S2615610	5mm
S2615611	5.5mm
S2615612	6mm
S2615614	7mm
S2615616	8mm
S2615618	9mm
S2615620	10mm
S2615622	11mm
S2615624	12mm
S2615628	14mm
S2615634	17mm
S2615638	19mm
S2615644	22mm
S2615648	24mm
S2615651	27mm
S2615656	32mm
S2615660	36mm



ADDOOTABLE WILMON		
AVAILABLE IN SIZES FROM 4" - 24"		
CAT. NO.	DESCRIPTION	
S24804	4"; 1/2" Jaw opening	
S24806	6"; 15/16" Jaw opening	
S24808	8"; 1-1/8" Jaw opening	
S24810	10"; 1-5/16" Jaw opening	
S24812	12"; 1-1/2" Jaw opening	
S24815	15"; 1-11/16" Jaw opening	
S24818	18"; 2-1/16" Jaw opening	
S24824	24": 2-7/16" .law opening	



CAT. NO.	DESCRIPTION
S2470221	8" Bug wrench 1/4" - 3/4" capacity
S2470222	10" Bug wrench 3/8" - 1" capacity



#### **TORQUE WRENCHES**

#### TORQUE WRENCH

CAT. NO.	DESCRIPTION
S22TCI150RA	1/4" Dr, 9-1/2" long, 30-200 in/lb (4nm-23nm)
S22TCI150RA38	3/8" Dr, 10" long, 30-200 in/lb (4nm-23nm)
S22TCI250RA	3/8" Dr, 12-1/2" long, 50-250 in/lb (6nm-29nm)
S22TCI750R	3/8" Dr, 15" long, 100-1000 in/lb (14nm-116nm)
S22TCI75FRN	3/8" Dr, 14-1/4" long, 5-75 ft/lb (5nm-105nm)
S22TCI150FRN	1/2" Dr, 18-1/2" long, 10-150 ft/lb (20nm-210nm)
S22TCI250FRN	1/2" Dr, 21-1/2" long, 25-250 ft/lb (43nm-348nm)

#### TORQUE SCREWDRIVER

CAT. NO.	DESCRIPTION
S22TS35	1/4" Dr, 6-3/8" long, 1-36 in/lb
S22TS100	1/4" Dr, 6-3/8" long, 20-100 in/oz

A WIDE VARIETY OF TORQUE WRENCHES ARE AVAILABLE UPON REQUEST. RE-CALIBRATION SERVICE AVAILABLE, CONTACT CUSTOMER SERVICE FOR MORE INFORMATION.



#### **PLIERS**



UAT. NO.	DESCRIPTION	
S21337W	7", Cuts and strips insulation	
CUTTING PLIERS , LAP JOINT		
CAT. NO.	DESCRIPTION	
S21337	7" Lap joint	
S21338	8" Lap joint	Т

#### **CURVED CUTTING PLIERS**

CAT. NO.	DESCRIPTION
S21447	Diagonal curve 7-3/4" box joint

CAT. NO.	DESCRIPTION
S2147S	4-3/4" With side cutter / spring
S2150S	5-3/4" With side cutter / spring
S21326	6" With side cutter
S21317	7" With side cutter
S21318	8" With side cutter

#### FENCE TOOL

CAT. NO.	DESCRIPTION
S2185	10-1/2" Overall length hammer on one jaw, staple starter and puller on the other side



<b>CUTTING F</b>	PLIERS .	BOX JOIN	Т
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S21718

CAT. NO.	DESCRIPTION	
S21435	5" Box joint	
S21435S	5" Box joint w/ spring	
S21436	6" Box joint	
S21436S	6" Box joint w/ spring	
S21437	7" Box joint	

#### BENT NEEDLE NOSE PLIERS

CAT. NO.	DESCRIPTION
S2149	4-1/2"
S21386	5-1/2" Without side cutter

#### END CUTTING PLIERS

CAT. NO.	DESCRIPTION
S21356	6"
S21357	7"
S21358	8"

#### LONG REACH PLIERS

S21748

CAT. NO.	DESCRIPTION
S21728	7-1/2" Diagonal cutter
S21738	8"

S21148-10

#### FLAT NOSE PLIERS

CAT. NO.	DESCRIPTION	
S2144	4-3/4"	
S21D305-6	6"	
S21718	Long reach 8"	
LONG REACH END CUTTER		

#### SHORT NOSE PLIERS

CAT. NO.

S21748

OHOTH NOOL I LILIIO		LILILIO
	CAT. NO.	DESCRIPTION
	S21308	8" Shearing

**DESCRIPTION** 

#### **END CUTTING NIPPERS**

S21422

CAT. NO.	DESCRIPTION
S21148-10	10"
S21148-14	14"

S215410

#### V GROOVE PLIERS

CAT. NO.	DESCRIPTION
S21422	9-1/2", 1-1/2" Capacity
S21442	12", 2-1/4" Capacity

#### **HEAVY DUTY SLIP JOINT PLIERS**

CAT. NO.	DESCRIPTION
S21546	6" With cutting shear
S21537	7" With fine side cutter
S21548	8" With cutting shear
S215410	Pliers hose clamp slip joint 10" with cutting shear

#### **PLIERS**



#### WATERPUMP PLIERS

CAT. NO.	DESCRIPTION
S21GL6	6", 1-1/16" Capacity
S21gl10	9-1/2", 1-1/4" Capacity
S21gl12	12", 2-1/4" Capacity

#### PLIERS W/ SIDE CUTTERS

CAT. NO.	DESCRIPTION
S2112098	8-1/2" With sleeve-connector crimping die

#### **ROUNDED NOSE PLIERS**

CAT. NO.	DESCRIPTION
S21346	6"
S21347	7"
S21348	8-1/2"
S21369	9" High leverage
S213248	8-1/2" With cutter & crimper

#### **SLIP JOINT PLIERS**

CAT. NO.	DESCRIPTION	
S21516	6", Thin nose with cutting shear	

#### **LINEMAN PLIERS**

CAT. NO.	DESCRIPTION
S21350-S	9" With coiled spring

#### **TONGUE & GROOVE PLIERS**

TONGOL & GHOOVE I EIERO	
CAT. NO.	DESCRIPTION
S21415	10", 2" Capacity smooth jaws
S21424	4-1/2", 1/2" Capacity
S21426	6-1/2", 7/8" Capacity
S21420	9-1/2", 1-1/2" Capacity
S21430	10", 2" Capacity
S21440	12", 2-1/4" Capacity
S21460	16", 4-1/4" Capacity
S21480	20", 5-1/2" Capacity









S21911

#### WIRE STRIPPER-CUTTER-CRIMPER

CAT. NO.	DESCRIPTION
S2111045	For cutting stripping and looping wire 10 - 18 ga
S21908	Wiring tool strips wire with no damage to conductor crimps both insulated and non-insulated wire

WIRE STRIPPER		
CAT. NO.	DESCRIPTION	
S2111062	Automatic wire stripper for 10-22ga; 1" depth. Blades are available for 8-12 awg; 16-26 awg and metric 4.0-0.5mm; and 1.0015mm	
S21958	Wire stripper cutter 10-20ga for copper, strips insulation fast with no damage to wire, cuts copper wire	

#### CRIMPING TOOL

CAT. NO.	DESCRIPTION
S21909	Crimping and cutting tool
S211005	Crimping tool and wire cutter for 10 to 22 awg

<b>CUTTING PL</b>	CUTTING PLIERS	
CAT. NO.	DESCRIPTION	
S21911	Cable cutter 9-1/2", cuts up to 4/0 aluminum and `up to 2/0 soft copper. It is not designed for steel or ACSR	

cleanly

## LONG REACH PLIERS & THIN PROFILE ELECTRONICS PLIERS





ı	UNG	RFACH	FI AT	NUCE

CAT. NO.

S214048

S214054

LONG HEADITT LAT NOOL				
CAT. NO.	DESCRIPTION			
S214050	6" Long reach flat nose non-serrated thin profile			
LONG REACH THIN HEAD				
CAT. NO.	DESCRIPTION			
S214052	5.5" Long reach thin head semi flush diagonal thin profile			
LONG REACH NEEDLE NOSE				

7" Long reach thin needle nose non-serrated

7" Long reach bent needle nose non-serrated

**DESCRIPTION** 

thin profile

thin profile

LONG	REACH	DIAGONAL	CUT	TERS
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CAT. NO.	DESCRIPTION
S21310	11" Long reach diagonal cutter with end cutter
S21311	11" Long reach offset diagonal cutters

#### LONG REACH SLIP JOINT PLIERS

LONG HEAD	TOLIT GOINT TEILIG
CAT. NO.	DESCRIPTION
S21371	11" Long reach hd slip joint Pliers straight
S2137145	11" Long reach hd slip joint Pliers 45 degree

## LONG REACH SLIP JOINT CABLE GRIPPERS

CAT. NO.	DESCRIPTION
S21372	11" Long hd slip joint cable grippers 3/8"
S21373	11" Long hd slip joint cable grippers 3/4"

## LONG REACH NEEDLE NOSE

CAT. NO.	DESCRIPTION
S21611	11" Long reach needle nose straight
S2161145	11" Long reach needle nose 45 degree bent nose
S2161190	11" Long reach needle nose 90 degree bent nose

## LONG REACH CABLE GRIPPING PLIERS

CAT. NO.	DESCRIPTION
S21510	11" Long 5/16 od cable gripping Pliers
S21512	11" Long 1/2 od cable gripping Pliers
S21514	11" Long 3/4 od cable gripping Pliers

## LONG REACH CHAIN NOSE

CAT. NO.	DESCRIPTION
S214044	6" Long Reach Chain Nose w/ cutter smooth jaws thin profile

#### LONG REACH OVAL HEAD

CAT. NO.	DESCRIPTION
S214046	5.5" Long reach oval head semi flush diagonal thin profile

## **PLIERS**

CAT. NO.	DESCRIPTION			1
S211202R	.038" Tip diameter	AAA.		
S21120245R	45 Deg .038" Tip diameter		$H \mid K$	1 1 1
S21120290R	90 Deg .038" Tip diameter		/ \	/\
S213202R	.047" Tip diameter			J <u> </u>
S21320245R	45 Deg .047" Tip diameter		00 450	900
S21320290R	90 Deg .047" Tip diameter	Use	with either external or int	ternal retaining rin
S213402R	.070" Tip diameter			
S21340245R	45 Deg .070" Tip diameter			
S21340290R	90 Deg .070" Tip diameter			
			46	
S215602R	.090" Tip diameter			730
S21560245R	45 Deg .090" Tip diameter			
S21560290R	90 Deg .090" Tip diameter	S211202R		
RATCHETING CA	ABLE CUTTER	OLTIZOZII	100	
CAT. NO.	DESCRIPTION	1	10	W W
S2163060	600mcm Alum 400mcm Copper		9 W	H W
S215090FS	750mcm Alum 500mcm Copper			W W
			// //	
BOLT CUTTER CAT. NO.	DESCRIPTION	0000		II W
S210090	18" Cuts 3/8" soft/medium material, 1/4" hard material			M W
S210190	24" Cuts 7/16" soft/medium material, 5/16" hard material	lust		W 18
S210290	30" Cuts 1/2" soft/medium material, 3/8" hard material			M V
S210390	36" Cuts 9/16" soft/medium material, 7/16" hard material			II V
S210590	42" Cuts 11/16" soft/medium material, 1/2" hard material			
0210000	- Sate 11/10 Solo modium material, 1/2 mara material			
CABLE CUTTING			S210190	S2163035
CAT. NO.	DESCRIPTION	S2163060		
S2163035	17" For up to 1" coax cable cuts soft copper and aluminum cable up to 350 mcm, drop-forged steel, shear-type hook jaws grab and hold cable	•	30	0
S2163041	25" 1-3/8" Cutting capacity cuts 500 copper, 750 aluminum soft cable.		K	W
S2163035-RING	Not designed for cutting steel or ACSR  For up to 1" coax cable cuts soft copper and aluminum cable up to 350 mcm; drop-forged steel; shear-type hook jaws grab and hold cable; with guidance ring			
S2163030	9-1/2"			
S2163055-RING	8" Cuts 24 awg cooper, aluminum multi-strand cable and wire; with guidance ring	<b>4</b>		
CABLE SHEAR				
CAT. NO.	DESCRIPTION			
S2163041-RING	25", 1-3/8" Cutting capacity , cuts 500 copper, 750 aluminum, soft cable: 1-3/8" diameter; with guidance ring. Not designed for cutting steel or ACSR			
HACKSAW		00400044 BIND	00400055 DINO	00400005 5
CAT. NO.	DESCRIPTION	S2163041-RING	S2163055-RING	S2163035-RI
S30602VSE	12" Hacksaw frame	A Company of the Comp		

S30602VSE





## STANDARD OR DEEP SOCKET

1/4" DRIVE, 12 POINT SOCKET

**AVAILABLE IN BOTH SAE & METRIC SIZES.** 

## STANDARD SOCKET

SAE SIZES	
CAT. NO.	DESCRIPTION
S2043906	3/16"
S2043907	7/32"
S2043908	1/4"
S2043909	9/32"
S2043910	5/16"
S2043911	11/32"
S2043912	3/8"
S2043914	7/16"
S2043916	1/2"
S2043918	9/16"

## DEEP SOCKET

SAE SIZES	
CAT. NO.	DESCRIPTION
S2044906	3/16"
S2044907	7/32"
S2044908	1/4"
S2044909	9/32"
S2044910	5/16"
S2044911	11/32"
S2044912	3/8"
S2044914	7/16"
S2044916	1/2"
S2044918	9/16"

#### STANDARD SOCKET

METRIC SIZES	
CAT. NO.	DESCRIPTION
S2040701	4mm 6 point
S2043702	5mm
S2043703	5.5mm
S2043704	6mm
S2043706	7mm
S2043707	8mm
S2043708	9mm
S2043709	10mm
S2043710	11mm
S2043711	12mm
S2043712	13mm
S2043713	14mm
S2040714	15mm 6 point

## DEEP SOCKET

METRIC SIZES	
CAT. NO.	DESCRIPTION
S2041697	4mm 6 point
S2044702	5mm
S2044703	5.5mm
S2044704	6mm
S2044706	7mm
S2044707	8mm
S2044708	9mm
S2044709	10mm
S2044710	11mm
S2044711	12mm
S2044712	13mm
S2044713	14mm
S2041711	15mm 6 point

## **SOCKETS - 3/8" DRIVE**

## STANDARD OR DEEP SOCKET

3/8" DRIVE, 12 POINT SOCKET

**AVAILABLE IN BOTH SAE & METRIC SIZES.** 

STANDARD SO	UNE	ı
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SAE SIZES		
CAT. NO.	DESCRIPTION	
S2045208	1/4"	
S2045210	5/16"	
S2045212	3/8"	
S2045214	7/16"	
S2045216	1/2"	
S2045218	9/16"	
S2045120	5/8"	
S2045122	11/16"	
S2045124	3/4"	
S2045126	13/16"	
S2045128	7/8"	
S2045130	15/16"	
S2045132	1"	

## DEEP SOCKET

SAE SIZES	
CAT. NO.	DESCRIPTION
S2042408	1/4"
S2042410	5/16"
S2042412	3/8"
S2042414	7/16"
S2042416	1/2"
S2042418	9/16"
S2042420	5/8"
S2042422	11/16"
S2042424	3/4"
S2042426	13/16"
S2042428	7/8"
S2042430	15/16"
S2042432	1"







STANDARD SOURET		
METRIC SIZES		
CAT. NO.	DESCRIPTION	
S20306	6mm 6 point	
S202307	7mm	
S202308	8mm	
S202309	9mm	
S202310	10mm	
S202311	11mm	
S202312	12mm	
S202313	13mm	
S202314	14mm	
S202315	15mm	
S202316	16mm	
S202317	17mm	
S202318	18mm	
S202319	19mm	
S202320	20mm	
S202321	21mm	
S202322	22mm	
S202323	23mm	
S202324	24mm	

## DEEP SOCKET

METRIC SIZES	
CAT. NO.	DESCRIPTION
S208406	6mm 6 point
S208407	7mm 6 point
S208408	8mm 6 point
S208429	9mm
S208430	10mm
S208431	11mm
S208432	12mm
S208433	13mm
S208434	14mm
S208435	15mm
S208436	16mm
S208437	17mm
S208438	18mm
S208439	19mm
S208420	20mm 6 point
S208421	21mm 6 point
S208422	22mm 6 point
S208423	23mm 6 point
S208424	24mm 6 point
S208425	25mm 6 point
S208426	26mm 6 point



## STANDARD OR DEEP SOCKET

1/2" DRIVE, 12 POINT SOCKET

**AVAILABLE IN BOTH SAE & METRIC SIZES.** 







## STANDARD SOCKET

SAE SIZES	
CAT. NO.	DESCRIPTION
S2040212	3/8"
S2040214	7/16"
S2040216	1/2"
S2040218	9/16"
S2040120	5/8"
S2040122	11/16"
S2040124	3/4"
S2040126	13/16"
S2040128	7/8"
S2040130	15/16"
S2040132	1"
S2040134	1-1/16"
S2040136	1-1/8"
S2040138	1-3/16"
S2040140	1-1/4"
S2040142	1-5/16"
S2040144	1-3/8"
S2040146	1-7/16"
S2040148	1-1/2"

## STANDARD SOCKET

**METRIC SIZES** 

CAT. NO.	DESCRIPTION
S2040309	9mm
S2040310	10mm
S2040311	11mm
S2040312	12mm
S2040313	13mm
S2040314	14mm
S2040315	15mm
S2040316	16mm
S2040317	17mm
S2040318	18mm
S2040319	19mm
S2040320	20mm
S2040321	21mm
S2040322	22mm
S2040323	23mm
S2040324	24mm
S2040325	25mm
S2040326	26mm
S2040327	27mm
S2040328	28mm
S2040329	29mm
S2040330	30mm
S2040331	31mm

## DEEP SOCKET

SAE SIZES	
CAT. NO.	DESCRIPTION
S2040812	3/8"
S2040814	7/16"
S2040816	1/2"
S2040818	9/16"
S2040820	5/8"
S2040822	11/16"
S2040824	3/4"
S2040826	13/16"
S2040828	7/8"
S2040830	15/16"
S2040832	1"
S2040834	1-1/16"
S2040836	1-1/8"
S2040838	1-3/16"
S2040840	1-1/4"
S2040842	1-5/16"
S2040844	1-3/8"
S2040846	1-7/16"
S2040848	1-1/2"

## DEEP SOCKET

METRIC SIZES	
CAT. NO.	DESCRIPTION
S2048010	10mm
S2048011	11mm
S2048012	12mm
S2048013	13mm
S2048014	14mm
S2048015	15mm
S2048016	16mm
S2048017	17mm
S2048018	18mm
S2048019	19mm
S2048020	20mm
S2048021	21mm
S2048022	22mm
S2048023	23mm
S2048024	24mm
S2048025	25mm
S2048026	26mm
S2048027	27mm
S2048028	28mm
S2048030	30mm
S2048032	32mm

32mm

36mm

S2040332

S2040336

## **SOCKETS - 3/4" DRIVE**

## STANDARD SOCKET

3/4" DRIVE, 12 POINT SOCKET

**AVAILABLE IN BOTH SAE & METRIC SIZES.** 

## STANDARD SOCKET

SAE SIZES	
CAT. NO.	DESCRIPTION
S2047124	3/4"
S2047126	13/16"
S2047128	7/8"
S2047130	15/16"
S2047132	1"
S2047134	1-1/16"
S2047136	1-1/8"
S2047138	1-3/16"
S2047140	1-1/4"
S2047142	1-5/16"
S2047144	1-3/8"
S2047146	1-7/16"
S2047148	1-1/2"
S2047150	1-9/16"
S2047152	1-5/8"
S2047154	1-11/16"
S2047156	1-3/4"
S2047158	1-13/16"
S2047160	1-7/8"
S2047164	2"
S2047166	2-1/16"
S2047168	2-1/8"
S2047171	2-3/16"
S2047172	2-1/4"
S2047176	2-3/8"

## STANDARD SOCKET

METRIC SIZES	METRIC SIZES	
CAT. NO.	DESCRIPTION	
S2048122	22mm	
S2048123	23mm	
S2048124	24mm	
S2048126	26mm	
S2048127	27mm	
S2048128	28mm	
S2048129	29mm	
S2048130	30mm	
S2048132	32mm	
S2048133	33mm	
S2048135	35mm	
S2048136	36mm	
S2048138	38mm	
S2048140	40mm	
S2048141	41mm	
S2048142	42mm	
S2048146	46mm	
S2048150	50mm	
S2048154	54mm	
S2048155	55mm	











FLEX HEAD HAN	DLES
CAT. NO.	DESCRIPTION
S2040952	1/4" Drive flex head handle 5.4"
S2045152	3/8" Drive flex head handle 10"
	. (0.1. 5.1. 6.1. 1.1. 1.1. 0.1.

52040952	1/4" Drive flex nead nandle 5.4"
S2045152	3/8" Drive flex head handle 10"
S2041650	1/2" Drive flex head handle 9"
S2041652	1/2" Drive flex head handle 16"
S2041654	1/2" Drive flex head handle 24"
S2047155	3/4" Drive flex head handle 18"

## RATCHETS

CAT. NO.	DESCRIPTION
S2040970NB	1/4" Drive ratchet 4.5" no boot
S2040970	1/4" Drive ratchet 4.5"
S2040971	1/4" Drive ratchet 6.5"
S2045170NB	3/8" Drive ratchet 7.6" no boot
S2045170	3/8" Drive ratchet 7.6"
S2045179	3/8" Drive ratchet 10.3"
S2045174	3/8" Drive ratchet stubby 4.8"
S2042470NB	1/2" Drive ratchet 10.3" no boot
S2042470	1/2" Drive ratchet 10.3"
S2040170	1/2" Drive ratchet 15"
S2047170	3/4" Drive ratchet 18"

## "T" SOCKET DRIVER

C	AT. NO.	DESCRIPTION
S	2045850	6" "T"-socket driver, 3/8" drive
S	2045851	12" "T"-socket driver, 3/8" drive
S	2041950	6" "T"-socket driver, 1/2" drive
S	2041951	12" "T"-socket driver, 1/2" drive

## ADAPTERS

CAT. NO.	DESCRIPTION
S20384	Adapter 3/8" F - 1/4"M
S20385	Adapter 1/4" F - 3/8"M
S20451	Adapter 3/8" F - 1/2"M
S20401	Adapter 1/2" F - 3/8"M
S20407	Adapter 1/2" F - 3/4"M
S20409	Adapter 3/4" F - 1/2"M

## **EXTENSIONS**

AVAILABLE IN 1/4", 3/8", 1/2" AND 3/4" DRIVES

EXTENSIONS ARE AVAILABLE IN FLARE NOSE STYLE FOR USE ON NON-BOOTED SOCKETS.

## FIBERGLASS EXTENSIONS

AVAILABLE IN 3/8	" AND 1/2" DRIVES
CAT. NO.	DESCRIPTION
S2045161FB	extension 6" 3/8" drive
S2045162FB	extension 12" 3/8" drive
S2040164FB	extension 6" 1/2" drive
S2040165FB	extension 12" 1/2" drive

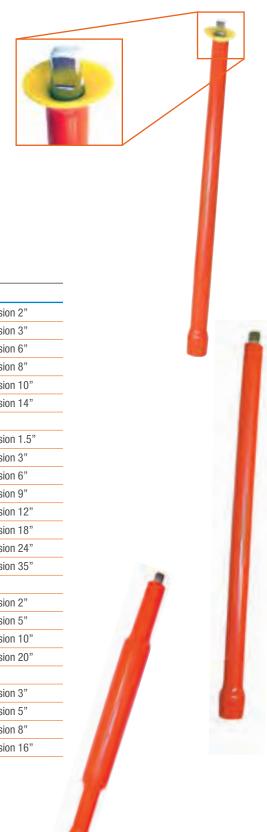
FIBERGLASS EXTENSIONS ARE TESTED AT 80 FT./LBS., DO NOT EXCEED 60 FT./LBS.

## **EXTENSIONS**

LATENSIONS	
CAT. NO.	DESCRIPTION
S2040961	1/4" drive extension 2"
S2040963	1/4" drive extension 3"
S2040962	1/4" drive extension 6"
S2040968	1/4" drive extension 8"
S2040969	1/4" drive extension 10"
S2040964	1/4" drive extension 14"
S2045159	3/8" drive extension 1.5"
S2045160	3/8" drive extension 3"
S2045161	3/8" drive extension 6"
S2045158	3/8" drive extension 9"
S2045162	3/8" drive extension 12"
S2045163	3/8" drive extension 18"
S2045164	3/8" drive extension 24"
S2045149	3/8" drive extension 35"
S2040160	1/2" drive extension 2"
S2040161	1/2" drive extension 5"
S2040162	1/2" drive extension 10"
S2040163	1/2" drive extension 20"
S2047159	3/4" drive extension 3"
S2047163	3/4" drive extension 5"
S2047161	3/4" drive extension 8"
S2047162	3/4" drive extension 16"

## EXTENSIONS WITH FLARE END

CAT. NO.	DESCRIPTION
S2040961FN	1/4" drive extension 2"
S2040963FN	1/4" drive extension 3"
S2040962FN	1/4" drive extension 6"
S2040968FN	1/4" drive extension 8"
S2040969FN	1/4" drive extension 10"
S2040964FN	1/4" drive extension 14"
S2045159FN	3/8" drive extension 1.5"
S2045160FN	3/8" drive extension 3"
S2045161FN	3/8" drive extension 6"
S2045158FN	3/8" drive extension 9"
S2045162FN	3/8" drive extension 12"
S2045163FN	3/8" drive extension 18"
S2045164FN	3/8" drive extension 24"
S2045149FN	3/8" drive extension 35"
S2040160FN	1/2" drive extension 2"
S2040161FN	1/2" drive extension 5"
S2040162FN	1/2" drive extension 10"
S2040163FN	1/2" drive extension 20"
S2047159FN	3/4" drive extension 3"
S2047163FN	3/4" drive extension 5"
S2047161FN	3/4" drive extension 8"
S2047162FN	3/4" drive extension 16"





## 1/4" DRIVE SCREWDRIVER BIT SOCKETS

## **SLOTTED AND PHILLIPS**

## Available in these size ranges:

Slotted - 3/16" - 5/16" Phillips - #0 - #3

CAT. NO.	DESCRIPTION
S2044470	Slotted 1F - 2R
S2044471	Slotted 2F - 3R
S2044472	Slotted 4F - 5R
S2044473	Slotted 6F - 8R
S2044480	Phillips #0
S2044481	Phillips #1
S2044482	Phillips #2
S2044483	Phillips #3
S2044570	6" long slotted 1F-2R
S2044571	6" long slotted 2F-3R
S2044572	6" long slotted 4F-5R
S2044573	6" long slotted 6F-8R
S2044581	6" long phillips #1
S2044582	6" long phillips #2
S2044883	6" long phillips #3

## 3/8" DRIVE SCREWDRIVER BIT SOCKETS

#### **SLOTTED AND PHILLIPS**

## Available in these size ranges:

Slotted - 3F-4R - 12F-16R Phillips - #1 - #4

CAT. NO.	DESCRIPTION
S2045471	Slotted 3F - 4R
S2045472	Slotted 4F - 5R
S2045473	Slotted 5F - 6R
S2045474	Slotted 8F - 12R
S2045475	Slotted 12F - 16R
S2045481	Phillips #1
S2045482	Phillips #2
S2045483	Phillips #3
S2045484	Phillips #4
S2045671	6" long slotted 3F - 4R
S2045672	6" long slotted 4F - 5R
S2045673	6" long slotted 5F - 6R
S2045674	6" long slotted 8F - 12R
S2045675	6" long slotted 12F - 16R
S2045681	6" Long phillips #1
S2045682	6" Long phillips #2
S2045683	6" Long phillips #3
S2045684	6" Long phillips #4



## 1/4" DRIVE TORX BIT & TAMPER-PROOF TORX SOCKET

Available in these size ranges:

T8 - T27 4" long

1/4" TORX BIT SOCKET

OAT NO DECORPTION		
CAT. NO.	DESCRIPTION	
S2042908	T8	
S2042910	T10	
S2042915	T15	
S2042920	T20	
S2042925	T25	
S2042927	T27	
S2042930	T30	
S2042958	T8 4" long	
S2042960	T10 4" long	
S2042965	T15 4" long	
S2042970	T20 4" long	
S2042975	T25 4" long	
S2042977	T27 4" long	

1/4" TAMPER-PROOF TORX BIT SOCKET		
CAT. NO.	DESCRIPTION	
S2042507	T7	
S2042508	T8	
S2042510	T10	
S2042515	T15	
S2042520	T20	
S2042525	T25	
S2042527	T27	
S2042530	T30	





Torx Screwdriver Bit Socket

## 3/8" DRIVE TORX BIT & TAMPER-PROOF TORX SOCKET

Available in these size ranges:

T40 - T50 extra long

3/8" TORY BIT COCKET

3/0 TURY DIT SOUVET		
CAT. NO.	DESCRIPTION	
S2045540	T40	
S2045545	T45	
S2045547	T47	
S2045550	T50	
S2045555	T55	
S2042580	T30 4" long	
S2042590	T40 4" long	
S2042595	T45 4" long	
S2042600	T50 4" long	
S2042640	T40 6" long	
S2042645	T45 6" long	
S2042650	T50 6" long	
S2042655	t55 6" long	

CAT. NO.	DESCRIPTION
S2045440	T40
S2045445	T45
S2045450	T50
S2045455	T55
S2044205	5/64
S2044206	3/32
S2044207	7/64
S2044208	1/8
S2044209	9/64
S2044210	5/32
S2044212	3/16
S2044214	7/32
S2044216	1/4



Tamper-Proof Torx Screwdriver Bit Socket



## 1/2" DRIVE TORX BIT SOCKET

Available in this size:

T60 - T70

1/2" TORX BIT SOCKET

CAT. NO.	DESCRIPTION
S2045560	T60
S2045565	T70

## TAMPER-PROOF TORX BIT SOCKET

Available in this size:

T60 - T70

1/2" TORX BIT SOCKET

1/E TOTIX BIT GOOKET	
CAT. NO.	DESCRIPTION
S2045570	T60
S2045580	T70

## 1/4" DRIVE HEX BIT SOCKET

AVAILABLE IN BOTH SAE & METRIC SIZES.

Available in these size ranges:

1/16" - 1/4"

2mm - 6mm

## 1/4" HEX BIT SOCKET

SAE SIZES		
CAT. NO.	DESCRIPTION	
S2044304	1/16"	
S2044305	5/64"	
S2044306	3/32"	
S2044307	7/64"	
S2044308	1/8"	
S2044309	9/64"	
S2044310	5/32"	
S2044312	3/16"	
S2044314	7/32"	
S2044316	1/4"	

## 1/4" HEX BIT SOCKET

METRIC SIZES	
CAT. NO.	DESCRIPTION
S2044324	2mm
S2044325	2.5mm
S2044326	3mm
S2044327	4mm
S2044328	5mm
S2044330	6mm





Hex Screwdriver Bit Socket

## 1/2" DRIVE HEX BIT SOCKET

AVAILABLE IN BOTH SAE & METRIC SIZES.

## Available in these size ranges:

5/16" - 3/4"

12mm - 19mm

## 1/2" HEX BIT SOCKET

SAE SIZES	
CAT. NO.	DESCRIPTION
S2041213	5/16"
S2041214	3/8"
S2041215	7/16"
S2041216	1/2"
S2041218	9/16"
S2041220	5/8"
S2041221	11/16"
S2041222	3/4"
S2041613	5/16" 6" long
S2041614	3/8" 6" long
S2041615	7/16" 6" long
S2041266	1/2" 6" long
S2041268	9/16" 6" long
S2041270	5/8" 6" long
S2041621	11/16" 6" long
S2041622	3/4" 6" long

## 1/2" HEX BIT SOCKET

METRIC SIZES	
CAT. NO.	DESCRIPTION
S2041412	12mm
S2041413	13mm
S2041414	14mm
S2041416	16mm
S2041417	17mm
S2041419	19mm
S2041462	12mm 6" long
S2041463	13mm 6" long
S2041464	14mm 6" long
S2041466	16mm 6" long
S2041467	17mm 6" long
S2041469	19mm 6" long

## 3/8" DRIVE HEX BIT SOCKET

AVAILABLE IN BOTH SAE & METRIC SIZES.

Available in these size ranges:

1/16" - 1/2"

2mm - 12mm

## 3/8" HEX BIT SOCKET

SAE SIZES	TOOKET
CAT. NO.	DESCRIPTION
S2041201	1/16"
S2041202	5/64"
S2041203	3/32"
s2041204	7/64"
S2041205	1/8"
S2041206	9/64"
S2041207	5/32"
S2041208	3/16"
S2041209	7/32"
S2041210	1/4"
S2041310	9/32"
S2041211	5/16"
S2041212	3/8"
S2041225	7/16"
S2041226	1/2"
S2045904	1/8" 6" long
S2045905	5/32" 6" long
S2045906	3/16" 6" long
S2045907	7/32" 6" long
S2045908	1/4" 6" long
S2045909	9/32" 6" long
S2045910	5/16" 6" long
S2045912	3/8" 6" long
S2045913	7/16" 6" long
S2045914	1/2" 6" long

## 3/8" HEX BIT SOCKET

METRIC SIZES	
CAT. NO.	DESCRIPTION
S2041400	2mm
S2041401	2.5mm
S2041402	3mm
S2041403	4mm
S2041404	5mm
S2041405	6mm
S2041406	7mm
S2041407	8mm
S2041408	9mm
S2041409	10mm
S2041410	11mm
S2041411	12mm
S2041502	3mm 6" long
S2041503	4mm 6" long
S2041504	5mm 6" long
S2041505	6mm 6" long
S2041506	7mm 6" long
S2041507	8mm 6" long
S2041508	9mm 6" long
S2041509	10mm 6" long
S2041510	11mm 6" long
S2041511	12mm 6" long



## **RATCHET & SOCKET SETS**



## **BATTERY TORQUE SET**

CAT. NO.	DESCRIPTION
S102	4 pcs. Includes: 3/8" dr torque ratchet 10" long 30-150 in/lb, 7" fiberglass extension, 1/2" box wrench 1/2" regular socket 6pt In a plastic box



## SOCKET SET 3/8" DRIVER DEEP SET

CAT. NO.	DESCRIPTION
S103	11 pcs. Includes: 3/8" reversible ratchet, 3" and 6" extension Deep sockets 12pt: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 and 13/16" In a fitted plastic case
S103-ST	11 pcs. Regular socket, 3/8 Dr.
S104	16 pcs. Includes: ratchet, 3" and 6" extension Deep sockets 12pt:1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16 and 1" In a fitted plastic case
S105	Metric 14 pcs. includes: ratchet, 3" and 6" extension Deep sockets 12pt: 9mm to 19mm In a fitted plastic case
S106	Metric 24 pcs. includes: ratchet, 3" and 6" extension Deep sockets 6 and 12pt: 6mm to 26mm In a fitted plastic case
S601	13 pcs. Deep socket kit, 1/4 to 13/16; 3/8 Dr, In a custom box



## ALLEN SOCKET SET

CAT. NO.	DESCRIPTION
S602	14 Tools + roll, 3/8 dr 1/8" to 1/2" Includes: 3/8" reversible ratchet, 3" and 6" extension
S602M	Metric 13pcs 3mm-12mm hex bit 3/8" Dr.
S603	Allen socket kit includes: 15 tools + roll 3/8"Dr., 1/16"-3/8" 3/8" reversible ratchet, 3" and 6" extension In a tool roll

## **RATCHET & SOCKET SETS**

## **CLOSE QUARTERS SOCKET SET**

THESE SETS ARE DESIGNED FOR USE IN TIGHT WORK SPACES	
CAT. NO.	DESCRIPTION
S204946	1/4" Dr 13 pcs. includes: 1/4" ratchet, 3" & 6" flared extensions, regular sockets 12pt: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 and 9/16" Packaged in a plastic tool box.
S204653	3/8" Dr 16 pcs. includes: 3/8" ratchet, 3" & 6" flared extensions, regular sockets 12pt: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16 and 1" Packaged in a plastic case tool box.
S204121	1/2" Dr 21 pcs. includes: 1/2" ratchet, 5" flared extension, regular sockets 12pt: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16 and 1-1/2" Packaged in a plastic case.
S204122	3/4" Dr 27 pcs. includes: 3/4" ratchet, 5" flared extension, regular sockets 12pt: 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 2, 2-1/16, 2-1/8, 2-3/16, 2-1/4 and 2-3/8" Packaged in a plastic case tool box.
S201340	1/4" Dr 13 pcs. includes: 1/4" ratchet, 3" & 6" flared extensions, regular sockets 12pt: 5mm to 14mm Packaged in a plastic case tool box.
S2089023	3/8" Dr 16 pcs. includes: 3/8" ratchet, 3" & 6" flared extensions, regular sockets 12pt: 7mm to 19mm Packaged in a plastic case tool box.
S201919	1/2" Dr 21 pcs. includes: 1/2" ratchet, 5" flared extension, regular sockets 12pt: 10mm to 28mm Packaged in a plastic case tool box.
S2094712E	3/4" Dr 22 pcs. includes: 3/4" ratchet, 5" flared extension, regular sockets 12pt: 22, 23, 24, 26, 27, 28, 29, 30, 32, 33, 35, 36, 38, 40, 41, 42, 46, 50, 54, 55mm Packaged in a plastic case tool box.





## **SPECIALIZED TOOLS**











ROLL-08



## ADJUSTABLE MAGNETS

CAT. NO.

ULL-PN-12

S302375	Retrieving tool 18"	
SCREWSTARTERS		
CAT. NO.	DESCRIPTION	
ULL-N-4	Slotted	

**DESCRIPTION** 

Phillips

## POCKET MAGNETS

CAT. NO.	DESCRIPTION	
S30385	6" long	

## **ACCESSORIES**

CAT. NO.	DESCRIPTION
S30PFP-1	Fuse puller
SIP-LIGHT	Waterproof flashlight
S90001	Penta wrench
KN985313	Dismantling knife

## HOOK & PICK

CAT. NO.	DESCRIPTION
S3042996	4 pc. pick & hook set; Straight pick, 90 deg. hook, round hook & compound bend pick
S3042996-1	Straight pick
S3042996-2	90 deg
S3042996-3	Round
S3042996-4	Compound bend pick

## **BOXES AND ROLLS**

CAT. NO.	DESCRIPTION
BOX-TK30	TK30 box with foam insert
BOX-TK60	TK60 box
BOX PB-16	16" tool box
ROLL-04	Roll 10 pockets fomr screwdrivers and nutdrivers
ROLL-05	Roll 9 pockets (4 for Pliers and 5 for screwdrivers) for TK9
ROLL-06	Roll 18 pockets for I hex wrenches
ROLL-08	Roll 13 pockets for "t" type hex wrench
ROLL-10	Roll 18 pockets for box and open wrenches
ROLL-11	Socket kit roll

## **NON-CONDUCTIVE TOOLS**

DOUBLE END PICKUP MAGNET	
CAT. NO.	DESCRIPTION
S27300-6	6" Double ended pickup magnet 5 lbs and 1-1/2 lbs pulling capacity
S27300-12	12" Double ended pickup magnet 5 bs and 1-1/2 lbs pulling capacity
S27300-18	18" Double ended pickup magnet 5 lbs and 1-1/2 lbs pulling capacity

CAPABLE OF RETRIEVING STEEL PARTS AND FASTENERS FROM 1-1/2 LB TO 5 LB FROM HARD TO REACH PLACES. ALL SIP MAGNETS ARE MADE OF ALNICO MATERIAL.

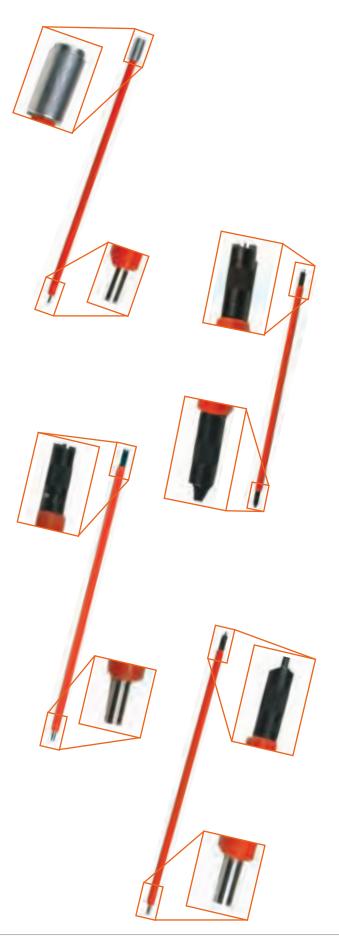
DOUBLE END SCREW STARTERS	
CAT. NO.	DESCRIPTION
S27400-6	6" Double end screw starter phillips at one end and slotted at the opposite end
S27400-12	12" Double end screw starter phillips at one end and slotted at the opposite end
S27400-18	18" Double end screw starter phillips at one end and slotted at the opposite end

SLUTTED	SCREW STARTER WITH MAGNET
CAT. NO.	DESCRIPTION

CAT. NO.	DESCRIPTION
S27500-6	6" Slotted screw starter with 1-1/2 lbs pickup magnet on opposite side
S27500-12	12" Slotted screw starter with 1-1/2 lbs pickup magnet on opposite side
S27500-18	18" Slotted screw starter with 1-1/2 lbs pickup magnet on opposite side

## PHILLIPS SCREW STARTER WITH MAGNET

PHILLIPS SCREW STARTER WITH MAGNET	
CAT. NO.	DESCRIPTION
S27700-6	6" Phillips screw starter with 1-1/2 lbs pickup magnet on opposite side
S27700-12	12" Phillips screw starter with 1-1/2 lbs pickup magnet on opposite side
S27700-18	18" Phillips screw starter with 1-1/2 lbs pickup magnet on opposite side



## **NON-CONDUCTIVE TOOLS**



Pickup Magnet with 1-1/2 LBS Pulling Capacity at each mirror end













## **INSPECTION - MIRRORS**

CAT. NO.	DESCRIPTION
S276A2-6	7/8" Circular mirror, 6" OAL (Over All Length) with pickup magnet 1-1/2lbs pulling capacity at the other end
S276A2-12	7/8" Circular mirror, 12" OAL with pickup magnet 1-1/2 lbs pulling capacity at the other end
S276A2-18	7/8" Circular mirror, 18" OAL with pickup magnet 1-1/2 lbs pulling capacity at the other end
S276E2-6	1-1/4" Circular mirror, 6" OAL with pickup magnet 1-1/2 lbs pulling capacity
S276E2-12	1-1/4" Circular mirror, 12" OAL with pickup magnet 1-1/2 lbs pulling capacity
S276E2-18	1-1/4" Circular mirror, 18" OAL with pickup magnet 1-1/2 lbs pulling capacity
S276C2-6	2-1/4" Circular mirror, 6" OAL with pickup magnet 1-1/2 lbs pulling capacity at the other end
S276C2-12	2-1/4" Circular mirror, 12" OAL with pickup magnet 1-1/2 lbs pulling capacity at the other end
S276C2-18	2-1/4" Circular mirror, 18" OAL with pickup magnet 1-1/2 lbs pulling capacity at the other end
S276S2-6	3-1/4" Circular mirror, 6" OAL with pickup magnet 1-1/2 lbs pulling capacity at the other end
S276S2-12	3-1/4" Circular mirror, 12" OAL with pickup magnet 1-1/2 lbs pulling capacity at the other end
S276S2-18	3-1/4" Circular mirror, 18" OAL with pickup magnet 1-1/2lbs pulling capacity at the other end
S276K2-6	2-1/4 x 3-1/2" Rectangular mirror, 6" OAL with pickup magnet 1-1/2 lbs pulling capacity
S276K2-12	2-1/4 x 3-1/2" Rectangular mirror, 12" OAL with pickup magnet 1-1/2 lbs pulling capacity
S276K2-18	2-1/4 x 3-1/2" Rectangular mirror, 18" OAL with pickup magnet 1-1/2 lbs pulling capacity
S276B2-6	1 x 2" Oval mirror, 6" OAL with pickup magnet 1-1/2 lbs pulling capacity at the other end
S276B2-12	1 x 2" Oval mirror, 12" OAL with pickup magnet 1-1/2 lbs pulling capacity at the other end
S276B2-18	1 x 2" Oval mirror, 18" OAL with pickup magnet 1-1/2 lbs pulling capacity at the other end

## NON-SPARKING & NON-MAGNETIC SAFETY TOOLS

## SPECIFICALLY DESIGNED TO ELIMINATE THE RISK OF DANGEROUS SPARKS.

#### **NON-SPARKING & NON-MAGNETIC SAFETY TOOLS**

Salisbury by Honeywell is proud to introduce the *New Non-Sparking*/ Non-Magnetic Insulated Hand Tools and Tool Kits. This new introduction to the Insulated Hand Tool line are manufactured from special Aluminum-Bronze and Copper-Beryllium alloys for safe use in areas where hazardous, flammable, or combustible vapors, liquids, dusts, or residues may be present. These tools are also highly corrosion-resistant.

Aluminum bronze and copper beryllium non-sparking safety tools are specifically designed to eliminate the risk of sparks at sites where explosive atmospheres may be present.

Our safety tools are drop forged for the highest quality in hand tools. These corrosion-resistant tools are suitable for use in ship yards, laboratories and paper and pulp mills, as well as in the pharmaceutical, food product manufacturing and wine industries.

Every non-sparking/non-magnetic double insulated hand tool is rated for exposure up to 1000 VAC and dielectrically tested at 10,000 VAC. These tools meet or exceed ASTM 1505-07 and IEC 900 standards for insulated hand tools. These tools are necessary for compliance with OSHA 1910.333 (c)(2) and NFPA. These tools also meet CSA-2462 standards.

These tools utilize the same highly impact resistant insulating material as our established full line of insulated hand tools. The insulating material used is flame retardant and created with two-colors; making inspection easier and adding to the overall safety. If the yellow under layer is showing, the tool may no longer be insulated properly and should be considered for replacement and shall be removed from service.

Appropriate applications include industries where non-sparking safety tools are required. The non-magnetic feature of these alloys also make them ideal for working on special machinery with powerful magnets such as MRI machines, military de-mining and explosives.

#### INDUSTRIES REQUIRING HAND TOOLS WITH NON-SPARKING PROPERTIES

#### MANUFACTURING INDUSTRIES:

- Alcohol Industries
- Ammunition, Missile & Explosives Plants
- Automotive Plants
- Breweries & Distilleries
- Chemical Manufacturing
- Flammable Materials Manufacturing
- Flour Mills
- Furniture Manufacturers (Varnish and Painting)
- Gas Plants
- Glue Factories
- Ink Industries
- Liquified Petroleum Gases (LPG)
- Mining
- Nuclear Products
- Oil & Natural Gas Drilling, Refining & Handling
- Paint, Lacquer & Varnish Products
- Paper and Pulp Mills
- Petrochemicals
- Petroleum Refining
- Pharmaceutical Industries
- Pipeline Construction & Maintenance
- Plastic Manufacturing
- Sugar Mills
- Synthetic Fiber Manufacturing
- Wine Industries

#### TRANSPORTATION INDUSTRIES:

- Airports
- Railroads
- Shipyards
- Tankers
- Tanker Trucks
- Vessels
- Workboats

#### **GOVERNMENT AGENCIES:**

- · Aircraft & Missile Plants
- Airport (Refueling & Maintenance Operations)
- Armed Forces
- · Chemical, Biological, Radiological, Nuclear or Explosives Logistical Support Operational Equipment
- Fire Departments, Military Bases
- First Responders to Weapons of Mass Destruction, Firefighters, Public Safety Bomb Squads & Local Rescue Squads
- Hazardous Materials Handling & Clean-up
- Munitions Depots
- Nuclear Production & Waste
- Public Utilities: Gas. Electric & Telecommunication
- Waste Management
- Water Treatment Facilities

#### OTHER INDUSTRIES:

- Cleaning & Spraying Operations
- Confined Space Maintenance
- Explosive & Pyrotechnics
- Geophysical Exploration
- · Grain Storage & Handling
- · Hazardous Material Handling
- Maintenance & Service Operations
- Paint Spraying, Finishing & Booth Operations
- Packing Plants
- Propane Distributors & Bulk Plants
- Warehousing of all Hazardous Materials

#### INDUSTRIES REQUIRING HAND TOOLS WITH NON-MAGNETIC PROPERTIES

- Aircraft Maintenance & Overhaul
- Aluminum & Other Metal Smelting
- Electronics Manufacturers
- Hospitals & Clinics Magnetic Resonance Imaging (MRI)
- MRI Maintenance
- Mine Sweepers
- Nuclear Products & Testing Machines
- Precision Magnetic Equipment
- Public Utilities: Gas, Electric & Telephone
- Radar Transmission Centers

## INDUSTRIES REQUIRING HAND TOOLS WITH CORROSION-RESISTANT PROPERTIES

- Boat Owners
- Chemical Manufacturing
- Desalinization Plants
- Food Product Manufacturing
- Laboratories
- Paper & Pulp Mills
- Petrochemicals
- Pharmaceutical Industry
- Plastic Manufacturing
- Shipvards
- . Tankers, Vessels & Other Work Boats
- Wine Industry

INTRODUCING **NEW GREEN COLOR OUTER COATING OVER** YELLOW COATING



#### **OFFERING A FULL LINE OF TOOLS & TOOL KITS:**

CONTACT CUSTOMER SERVICE FOR ADDITIONAL INFORMATION ON SALISBURY'S FULL OFFERING OF NON-SPARK NON-MAGNETIC INSULATED HAND TOOLS & KITS.

- Box Fnd Wrenches
- Open End Wrenches
- Hex Wrenches • Ratcheting Wrenches
- Pliers
- Cutters Socket Wrenches
- Screwdrivers
- Sockets
- Spanner Wrenches
- Tool Kits and more

## **NON-SPARKING & NON-MAGNETIC SAFETY TOOLS**

KITS





#### NON-SPARKING & NON MAGNETIC BASIC ELECTRICIAN ROLL

CAT. NO.	DESCRIPTION
TK10NS	9 pcs. includes: 3/16 x 4 Slotted screwdriver 1/4 x 6 Slotted screwdriver 5/16 x 6 Slotted screwdriver #2 x 4 Phillips screwdriver #1 x 3 Phillips screwdriver 8" Needle nose Pliers 7 1/2" Diagonal Pliers 8" Lineman Pliers 10" Water pum Pliers In a tool roll bag

#### NON-SPARKING & NON MAGNETIC HYBRID TOOL KIT

CAT. NO.	DESCRIPTION
TK11HBNS	11 pcs. Includes: 8" Lineman Pliers 8" Slipjoint Pliers 6" Chain nose Pliers 6" Diagonal Pliers 10" Water pump Pliers #1 x 3 Phillips screwdriver #2 x 4 Phillips screwdriver 3/16 x 4 Slotted screwdriver 1/4 x 4 Slotted screwdriver 1/4 x 6 Slotted screwdriver 5/16 x 6 Slotted screwdriver In a plastic tool box

#### NON-SPARKING & NON MAGNETIC SCREWDRIVER KIT

CAT. NO.	DESCRIPTION
S23872NS	7 pcs. includes: 1/8 x 3 Slotted screwdriver 3/16 x 4 Slotted screwdriver 1/4 x 6 Slotted screwdriver 5/16 x 6 Slotted screwdriver #0 x 2 3/8 Phillips screwdriver #1 x 3 Phillips screwdriver #2 x 4 Phillips screwdriver In a tool roll bag
S23873NS	10 pcs. Includes:  1/8 x 3 Slotted screwdriver  3/16 x 4 Slotted screwdriver  1/4 x 6 Slotted screwdriver  5/16 x 6 Slotted screwdriver  3/8 x 8 Slotted screwdriver  3/8 x 12 Slotted screwdriver  #1 x 3 Phillips screwdriver  #2 x 4 Phillips screwdriver  #3 x 6 Phillips screwdriver  #4 x 8 phillips screwdriver  In a tool roll bag

INTRODUCING
NEW GREEN COLOR
OUTER COATING OVER
YELLOW COATING.



## **NON-SPARKING & NON-MAGNETIC SAFETY TOOLS**

**KITS** 

#### NON-SPARKING & NON MAGNETIC OPEN END WRENCH SETS

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	CAT. NO.	DESCRIPTION
	S241714NS	14 pcs. wrench open 3/8" - 1-1/4" In a tool roll bag
	S241713NS	13 pcs. wrench open 1/4" - 1" In a tool roll bag
	S241814NS	13 pcs. Wrench open 7mm - 19mm In a tool roll bag
	S241818NS	17 pcs. Wrench open 7mm - 24mm In a tool roll bag



CAT. NO.	DESCRIPTION
S241714-BNS	14 pcs. Wrench box 3/8" - 1-1/4" In a tool roll bag
S241713-BNS	13 pcs. Wrench box 1/4" - 1" in a tool roll bag
S241814-BNS	13 pcs. Wrench box 7mm - 19mm In a tool roll bag
S241818-BNS	17 pcs. Wrench box 7mm - 24mm
	In a tool roll bag

## NON-SPARKING & NON MAGNETIC HEX WRENCH TYPE "L" SET

CAT. NO.	DESCRIPTION
S2610214NS	14 pcs. 1/16" - 1/2" Long arm
	In a tool roll bag

## NON-SPARKING & NON MAGNETIC METRIC HEX WRENCH TYPE "L"

NON-SPANKING & NON MAGNETIC METRIC HEX WRENCH TIPE L	
CAT. NO.	DESCRIPTION
S2610610NS	12 pcs. Hex wrench 1.5mm - 12mm type I long arm In a tool roll bagnon-sparking & non magnetic Close Quarter Socket Sets
CAT. NO.	DESCRIPTION
S204947NS THIS SET IS DESIG	1/4" Dr. set 13 pcs. includes: 1/4" ratchet 4" & 8" flared extensions, regular sockets 6pt: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2",and 9/16" In a plastic case.
\$204654N\$	3/8" Dr. set 14 ncs. includes : 3/8" ratchet 3" & 6" flared

S204654NS	3/8" Dr. set 14 pcs. includes: 3/8" ratchet 3" & 6" flared
	extensions, regular sockets 6pt: 1/4", 5/16", 3/8", 7/16",
	1/2" 9/16",5/8", 11/16", 3/4", 13/16" and 7/8"
	In a plastic case

## THIS SET IS DESIGNED FOR USE IN TIGHT WORK SPACES.

1/2" Dr. set 22 pcs. includes: 1/2" ratchet 4" & 8" flared
extension, regular sockets 6pt: 3/8", 7/16", 1/2", 9/16",
5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16",
1 1/8", 1 3/16", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2"
In a plastic tool box.

## THIS SET IS DESIGNED FOR USE IN TIGHT WORK SPACES.









S204122NS

Arc Flash: An arcing fault is the flow of current through the air between phase conductors or phase conductors and neutral or ground. An arcing fault can release tremendous amounts of concentrated radiant energy at the point of the arcing in a small fraction of a second resulting in extremely high temperatures, a tremendous pressure blast and shrapnel hurling at high velocity.

**ASTM:** American Society for Testing and Materials

Arc Thermal Performance Value (ATPV): This value is presented in calories per square centimeter and represents the maximum capability for arc flash protection of a particular garment. This rating also applies to fabrics; however, a garment made from more than one layer of arc flash rated fabric will have a calorie per square centimeter rating greater than the sum of the ATPV ratings of the original fabrics. The calories per square centimeter rating of most arc flash protection suits, coveralls and coats is commonly sewn into the fabric in large letters on the outside of the garment.

Calories per Centimeter Squared (cal/cm2): This is a number identifying the amount of energy that can be delivered to a Point at a particular distance from an arc flash. Once this value is known, the ATPV rating of the flash clothing required for work at that distance from the potential flash hazard is also known. See ATPV.

Calorie: A calorie is the energy required to raise one gram of water one degree Celsius at one atmosphere. The onset of second-degree burns may occur at 1.2 calories per centimeter squared per second. One calorie per centimeter squared per second can be equal to holding your finger over the tip of the flame of a cigarette lighter for one second.

De-energized: Free from any electrical connection to a source of potential difference and from electrical charge; not having a potential different from that of the earth.

Electrical Hazard: A dangerous condition such that contact or equipment failure can result in electric shock, arc flash burn, thermal burn, or blast.

Electrical Safety: Recognizing hazards associated with the use of electrical energy and taking precautions so that hazards do not cause injury or death.

Electrically Safe Work Condition: A state in which the conductor or circuit part to be worked on or near has been disconnected from energized parts, locked/tagged in accordance with established standards, tested to ensure the absence of voltage and grounded if determined necessary.

Energy Breakopen Threshold (EBT): Primarily, this addresses the physical strength of the fabric with respect to thermal energy and at what arc-flash value the fabric will fail.

Flame-Resistant (FR): The property of a material whereby combustion is prevented, terminated, or inhibited following the application of a flaming or non-flaming source of ignition, with or without subsequent removal of the ignition source.

Flash Hazard: A dangerous condition associated with the release of energy caused by an electric arc.

Flash Hazard Analysis: A study investigating a worker's potential exposure to arc-flash energy, conducted for the purpose of injury prevention, the determination of safe work practices and the appropriate levels of PPE.

Flash Protection Boundary: An approach limit at a distance from exposed live parts within which a person could receive a second degree burn if an electrical arc flash were to occur.

Flash Suit: A complete arc rated clothing and equipment system that covers the entire body, except for the hands and feet. This includes pants, jacket and bee-keeper-type hood fitted with a face shield.

Hazard Risk Category (HRC): Categories defined by NFPA 70E to explain protection levels needed when performing tasks. The values range from -1 to 4. ATPV rated PPE is required for categories 1 through 4 as follows:

- Category 1: 4 cal/cm<sup>2</sup>
- Category 2: 8 cal/cm<sup>2</sup>
- Category 3: 25 cal/cm<sup>2</sup>
- Category 4: 40 cal/cm<sup>2</sup>

IEEE: The Institute of Electrical and Electronics Engineers (IEEE) (Note: IEEE1584 – 2002 Guide to Performing Arc-Flash Hazard Calculations).

Incident Energy: The amount of energy impressed on a surface, a certain distance from the source, generated during an electrical arc event. One of the units used to measure incident energy is calories per centimeter squared (cal/cm<sup>2</sup>).

Limited Approach Boundary: An approach limit at a distance from an exposed live part within which a shock hazard exists.

NEC The National Electrical Code: The NFPA Standard 70-2005 "The National Electrical Code" (NEC) (Note: paragraph 110.16 contains requirements for warning labels).

NFPA: The National Fire Protection Association.

NFPA 70E Standard: Standard that provides guidance on implementing appropriate work practices that are required to safeguard workers from injury while working on or near exposed electrical conductors or circuit parts that could become energized.

**OSHA:** Occupational Safety and Health Administration.

OSHA 29 CFR 1910, Subpart S-Electrical: Occupational Safety and Health Standards, Section 1910 Subpart S-Electrical Standard number 1910.333 specifically addresses Standards for Work Practices.

Prohibited Approach Boundary: An approach limit at a distance from an exposed live part within which work is considered the same as making contact with the live part.

Restricted Approach Boundary: An approach limit at a distance from an exposed live part within which there is an increased risk of shock, due to electrical arc over combined with inadvertent movement, for personnel working in close proximity to the live part.

**Shock Hazard:** A dangerous electrical condition associated with the possible release of energy caused by contact or approach to energized parts.

Voltage, Nominal: A nominal value assigned to a circuit or system for the purpose of conveniently designating its voltage class. The actual voltage at which a circuit operates can vary from the nominal within a range that permits satisfactory operation of equipment.

Working Near (live parts): Any activity inside a limited approach boundary.

Working On (live parts): Coming in contact with live parts with the hands, feet, or other body parts, with tools, probes, or with test equipment, regardless of the personal protective equipment a person is wearing.

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