

Cementex

The Safety Tool Specialists

**Insulated 1000V Rated Hand Tools
Insulating Rubber Goods
Arc Flash PPE**



14.0



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ELECTRICAL SAFETY COMPLIANCE CHART

FOR NFPA 70E AND CSA Z462

Energized work shall only be performed when permitted by 70E 130.2(A) / Z462 4.3.2.2. For tasks not listed or for power systems with greater than the assumed maximum short circuit current capacity or with longer than the assumed maximum fault clearing times, an arc flash hazard analysis shall be required in accordance with 70E 130.5 / Z462 4.3.5. This summary table is only for use by **QUALIFIED PERSONNEL** that have been trained in accordance with the most current version of NFPA 70E Articles 110, 120 and 130 / CSA Z462 Clause 4.

Tasks Performed on Energized Equipment (600 volts or less): 70E 130.7(C)(15)(a) / Z462 Table 4A

Table A Panelboards or Other Equipment Rated 240 V and Below <i>Note 1</i>		
Perform infrared thermography and other non-contact inspections outside the restricted approach boundary	LWG	0
Circuit breaker (CB) or fused switch operation with covers on	LWG	0
CB or fused switch operation with covers off	LWG	0
Work on energized electrical conductors and circuit parts, including voltage testing	IG/IT	1
Remove / Install CBs or fused switches	IG/IT	1
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts)	LWG	1
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)	LWG	0
Work on energized electrical conductors and circuit parts of utilization equipment fed directly by a branch circuit of the panelboard	IG/IT	1
Table B Panelboards or Switchboards Rated >240 V and up to 600 V (with molded case or insulated case circuit breakers) <i>Note 1</i>		
Perform infrared thermography and other non-contact inspections outside	LWG	1
CB or fused switch operation with enclosure doors closed	LWG	0
CB or fused switch operation with covers off	IG	1
Work on energized electrical conductors and circuit parts, including voltage testing	IG/IT	2
Remove/install CBs or fused switches	IG/IT	2
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts)	LWG	1
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)	LWG	0
Work on energized electrical conductors and circuit parts of utilization equipment fed directly by a branch circuit of the panelboard or switchboard	IG/IT	2
Table C Other 600 V Class (277 V through 600 V nominal) Equipment <i>Note 2 (except as indicated)</i>		
Lighting or small power transformers (600 V maximum)		
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts)	LWG	2
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)	LWG	1
Application of safety grounds, after voltage test	IG	2
Work on energized electrical conductors and circuit parts, including voltage testing	IG/IT	2
Revenue meters (kW-hour, at primary voltage and current) Insertion or removal	IG	2
Cable trough or tray cover removal or installation	LWG	1
Miscellaneous equipment cover removal or installation	LWG	1
Work on energized electrical conductors and circuit parts, including voltage testing	IG/IT	2
Application of safety grounds, after voltage test	IG	2
Insertion or removal of plug-in devices into or from busways	IG	2

Table D 600 V Class Motor Control Centers (MCCs) <i>Note 2 (except as indicated)</i>		
Perform infrared thermography and other non-contact inspections outside the restricted approach boundary	LWG	1
CB or fused switch or starter operation with enclosure doors closed	LWG	0
Reading a panel meter while operating a meter switch	LWG	0
CB or fused switch or starter operation with enclosure doors open	LWG	1
Work on energized electrical conductors and circuit parts, including voltage testing	IG/IT	2
Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	IG/IT	0
Work on control circuits with energized electrical conductors and circuit parts 120 V or above, exposed	IG/IT	2
Insertion or removal of individual starter "buckets" from MCC— <i>Note 3</i>	IG	4
Application of safety grounds, after voltage test	IG	2
Removal of bolted covers — <i>Note 3</i> (to expose bare, energized electrical conductors and circuit parts)	LWG	4
Opening hinged covers — <i>Note 3</i> (to expose bare, energized electrical conductors and circuit parts)	LWG	1
Work on energized electrical conductors and circuit parts of utilization equipment fed directly by a branch circuit of the motor control center	IG/IT	2
Table E 600 V Class Switchgear (with power circuit breakers or fused switches) <i>Note 4</i>		
Perform infrared thermography and other non-contact inspections outside the restricted approach boundary	LWG	2
CB or fused switch operation with enclosure doors closed	LWG	0
Reading a panel meter while operating a meter switch	LWG	0
CB or fused switch operation with enclosure doors open	LWG	1
Work on energized electrical conductors and circuit parts, including voltage testing	IG/IT	2
Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	IG/IT	0
Work on control circuits with energized electrical conductors and circuit parts 120 V or above, exposed	IG/IT	2
Insertion or removal (racking) of CBs from cubicles, doors open or closed	LWG	4
Application of safety grounds, after voltage test	IG	2
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts)	LWG	4
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)	LWG	2

CLOTHING AND/OR EQUIPMENT	HRC	HRC	HRC	HRC	HRC
70E 130.7 (C)(16) / Z462 Table 5	0	1	2	3	4
Arc Thermal Protective Value in Cal/cm ² (minimum)	0	4	8	25	40
Non-melting/untreated natural fiber long-sleeve shirt	X	—	—	—	—
Non-melting/untreated natural fiber long pants	X	—	—	—	—
Arc-rated long-sleeve shirt	—	X	X	X	X
Arc-rated pants	—	X	X	X	X
Arc-rated coverall	—	X	X	X	X
Arc-rated arc flash suit jacket	—	X	X	X	X
Arc-rated arc flash suit pants	—	X	X	X	X
Arc-rated arc flash suit hood	—	X	X	X	X
Arc-rated jacket, parka or rainwear	—	AN	AN	AN	AN
Hard hat	—	X	X	X	X
Safety glasses or goggles	X	X	X	X	X
Hearing protection	X	X	X	X	X
Leather gloves	AN	X	X	X	X
Leather work shoes	—	X	X	X	X

NOTES: 70E 130.7(C)(16) / Z462 Table 5

- Arc rating for garments is expressed in calories per centimeter squared (cal/cm²)
- When rubber insulating gloves (IG) with leather protectors are required by NFPA 70E 130.7(C)(15)(a) / CSA Z462 Table 4A, additional leather gloves or arc-rated gloves shall not be required.
- An alternate to arc rated shirts and pants in HRC 1 or HRC 2 is an arc rated coveralls with minimum of 4 cal/cm² for HRC 1 and minimum of 8 cal/cm² for HRC 2
- Face shields are required for HRC 1 (4 cal/cm²) and HRC 2 (8 cal/cm²) requires the use of balaclava/sock and wrap-around guarding to protect face, forehead, ears and neck with a minimum of 8 cal/cm². Alternatively an appropriately arc-rated flash suit hood may be used.
- Minimum arc rating of 25 is required for HRC 3 which can be accomplished using a total FR clothing system [shirt and pants and/or coveralls and/or coat and pant] and hood.
- Minimum arc rating of 40 is required for HRC 4 which can be accomplished using a total FR clothing system [shirt and pants and/or coveralls and/or coat and pant] and hood.

Table X* Hazard Risk Categories that are Known to be Extremely Dangerous		
480V Building Service Entrance Equipment	IG/IT	4+
Equipment on 480V/secondary side of an Ind/Comm substation	IG/IT	4+
All equipment on the load side of circuit breakers containing a short-time delay setting. Temporary removal of short time-delay is recommended.	IG/IT	4+

**The above areas are known to commonly equal or exceed a HRC4; calculations should be done prior to energized work.*

General Notes: (applicable to the tasks that are 600 volts or less)

- Insulating rubber gloves are gloves rated for the maximum line-to-line voltage upon which work will be done.
- Insulated tools rated and tested for the maximum line-to-line voltage upon which work will be done, and are manufactured and tested in accordance with ASTM F1505 & CAN/ULC-D60900, Standard Specification for Insulated and Insulating Hand Tools: 1000VAC / 1500VDC
- For systems rated less than 1000 volts, the fault currents and upstream protective device clearing times are based on an 18 in. working distance.
- For equipment protected by upstream current limiting fuses with arcing fault current in their current limiting range (1/2 cycle fault clearing time or less), the hazard/risk category required may be reduced by one number.)

Specific Notes: (as referenced within the tables)

- Max. of 25 kA short circuit current available; max. of 0.03 sec (2 cycle) fault clearing time; min. 18" working Potential arc flash boundary with exposed energized conductors or circuit parts using above parameters: 19"
- Max. of 65 kA short circuit current available; max. of 0.03 sec (2 cycle) fault clearing time; min. 18" working Potential arc flash boundary with exposed energized conductors or circuit parts using above parameters: 53"
- Max. of 42 kA short circuit current available; max. of 0.33 sec (20 cycle) fault clearing time; min. 18" working Potential arc flash boundary with exposed energized conductors or circuit parts using above parameters: 165"
- Max. of 35 kA short circuit current available; max. of up to 0.5 sec (30 cycle) fault clearing time; min. 18" working Potential arc flash boundary with exposed energized conductors or circuit parts using above parameters: 233"

Notes:

- A complete ARC FLASH HAZARD ANALYSIS should be done, if fault clearing times vary from those described within the **Specific Notes**, rendering these tables alone **INSUFFICIENT**
- IG/IT** indicates the required use of insulating rubber gloves, leather protectors & insulated tools.
- IG** indicates a requirement for the use of insulating rubber gloves and leather protectors.
- LWG** indicates a requirement of leather gloves.
- Hazard Risk Category (HRC) is defined in the last column, by one of five categories 0, 1, 2, 3 & 4 (0 being the least dangerous and 4 being the most dangerous)

Cementex

The Safety Tool Specialists

At Cementex, Made in the U.S.A. is much more than marketing. It's who we are and what we do. Located in Burlington, NJ USA since 1950, we are a family owned, American manufacturer. We build our tools and equipment to meet the demands of the qualified electrician; using premium raw materials, quality components, and the finest labor team on earth.



Made In the U.S.A.



Crystal. Dave C. J.P.M. Steve Dan B
 Valerie Jim 19. Kevin
 Eleanor Linda Star Kyla Josh Angelita
 Baljit Phil TIM Dave Richard Melissa
 Laura Alarn Heather Carol
 Jason D. [Signature] Jeron Tracy George

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Cementex

Insulating Technology

Cementex has spent over 50 years perfecting the insulation of hand tools. We've developed our own proprietary insulation material that provides the safest, most durable insulation for your protection. Painsstaking attention to detail is part of our process; ensuring every tool is of the highest level of quality when it leaves our factory in Burlington, NJ. Each tool is individually inspected, tested and guaranteed to be manufactured to the level you deserve.

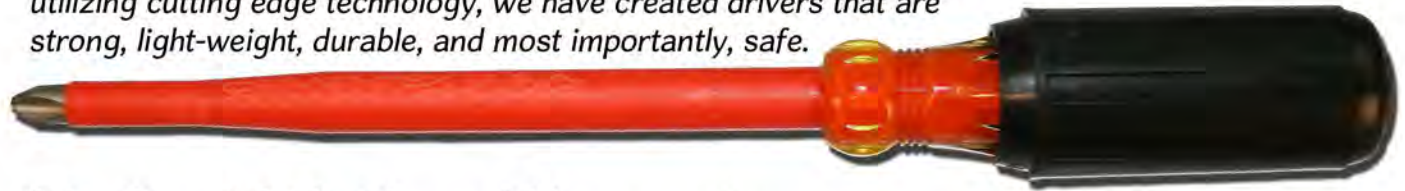


RATED
1000 VAC 1500 VDC
LIFETIME MECHANICAL WARRANTY*
2 YEAR INSULATION WARRANTY*

Composite Technology

While we've spent a long time perfecting an insulating coating, we are continuously developing new technologies to improve safety, durability, and usability. This pursuit is evident in our Composite Driver Tools. By eliminating 95% of all conductive material and utilizing cutting edge technology, we have created drivers that are strong, light-weight, durable, and most importantly, safe.

RATED
1000 VAC 1500 VDC
LIFETIME WARRANTY*



Limited Lifetime Warranty

Our commitment to quality enables to us to offer an unparalleled warranty. The Cementex Limited Lifetime Warranty guarantees the mechanical parts of the tools for life, provided they are used for the purpose for which they are intended.

Insulation is guaranteed to be free from defects in material and workmanship for a period of two (2) years from the date of the shipment. Insulation is guaranteed to pass a 10,000 VAC proof test in accordance with applicable U.S. and International Standards and rated for application to 1000 VAC / 1500 VDC.

Prior to each use, each insulated tool is to be inspected for cuts, cracks, or other damage. If the yellow insulation becomes visible through the orange outer layer, the tool is not repairable and must be removed from service immediately. Insulated tools are to be used as secondary protection and are not meant to be used in place of other personal protective equipment. Cuts, cracks, or other damage to the tool insulation caused by usage of the tool is not covered under warranty.

Torque Wrench repairs are covered by warranty so long as the torque wrench is within its annual calibration timeframe.



Insulated Hand Tools - Where and When

“OSHA - Electrical, Safeguards for personal protection 1910.335(a)(2)(i)

When working near exposed energized conductors or circuit parts, each employee shall use insulated tools or handling equipment if the tools or handling equipment might make contact with such conductors or parts...”

“2012 Edition NFPA 70E® STANDARD for Electrical Safety in the Workplace® 130.7(D)(1) Insulated Tools and Equipment.

Employees shall use insulated tools or handling equipment, or both, when working inside the **limited approach boundary** of exposed energized electrical conductors or circuit parts where tools or handling equipment might make accidental contact...”

“def. Boundary, Limited Approach

An approach limit at a distance from an exposed energized electrical conductor or circuit part within which a shock hazard exists.”

ex. *Limited Approach Boundary

Exposed Fixed conductors

50V - 750V AC = 3ft 6in

100V - 1kV DC = 3ft 6in



Cementex has the tools available to help you comply with the stringent standards established by OSHA, NFPA, and CSA. Knowledge, experience, and commitment to quality make Cementex the trusted source for safety tools and equipment.

*2012 NFPA 70E® Tables 130.4 (C)(a), 130.4(C)(b)

Cabinet Tip Screwdrivers

Screwdrivers

- Slender Insulation at Slotted Tip
- Cushion Grip (CG) handle for greater comfort and torque
- Plating for corrosion resistance
- Internal Flanges in handle provide solid, twist-resistant blade



Composite	
PN	DESC
CM2-3.....	1/8" X 3"
CM2-6.....	1/8" X 6"
CMC5-CG....	3/16" X 5"
CMC6-CG....	3/16" X 6"
CM4-CG.....	1/4" X 4-1/2"
CM6-CGC....	1/4" X 6"

PN	DESC
M332X2.....	3/32 X 2"
M180F.....	1/8" X Mini
M2.....	1/8" X 2"
M2L.....	1/8" X 3-3/4"
M2L-CG.....	1/8" X 3-3/4"
M2XL.....	1/8" X 6"
M3L.....	1/8" X 3"
MC4P-CG....	3/16" X 4"
MC6P-CG....	3/16" X 6"
MC8P-CG....	3/16" X 8"
M3L-3.....	3/16" X 8"
MC10P-CG...	3/16" X 10"
M1-SBY.....	1/4" X 1"
M4-CG.....	1/4" X 4"
M6-CG.....	1/4" X 6"
YM6.....	1/4" X 6"
M6-CG-ST...	1/4" X 6" with Loop
M8-CG.....	1/4" X 8"



CM2-3



M2



M4-CG

Offset	
PN	DESC
OSSD-S146.....	1/4" X 6"
OSSD-S1420-CG..	1/4" X 20"

Mechanic Tip Screwdrivers



- Slender Insulation at Slotted Tip
- Cushion Grip (CG) handle for greater comfort and torque
- Plating for corrosion resistance
- Internal Flanges in handle provide solid, twist-resistant blade

PN	DESC
Y1P-Stubby..	7/32" X 3/4"
Y1-CG.....	7/32" X 1.75"
Y3-CG.....	7/32" X 3.25"
Y4-CG.....	1/4" X 4"
Y6-CG.....	5/16" X 6"
Y8-CG.....	3/8" X 8"
Y10-CG.....	3/8" X 10"
Y12-CG.....	3/8" X 12"



Y6-CG

Composite	
PN	DESC
C516-6CG.....	5/16" X 6"
CM516-6CG...	5/16" X 6"
C38-6CG.....	3/8" X 6"

Torx Tip Screwdrivers



- Cushion Grip handle for greater comfort and torque
- Plating for corrosion resistance
- Internal Flanges in handle provide solid, twist-resistant blade

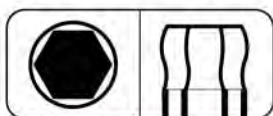


PN	DESC
T10....	T10 X 3"
T15....	T15 X 3"
T20...	T20 X 3"
T27....	T27 X 3"
T30...	T30 X 3"
T40...	T40 X 3"



T15

Hex Ball Tip Screwdrivers



- Cushion Grip handle for greater comfort and torque
- Plating for corrosion resistance
- Internal Flanges in handle provide solid, twist-resistant blade



PN	DESC
BD100....	3/16" X 6"
BD200...	1/4" X 6"
BD300...	5/16" X 6"



BD100

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

RATED 10,000 VAC / 1,000 VAC

Phillips Tip Screwdrivers

PN	DESC
P00-6	#00 X 6"
MP0	#0 X 3" Mini
P0-2	#0 X 2"
P0-2.5	#0 X 2-1/2"
P0-3.5	#0 X 3-1/2"
P0-6	#0 X 6"
P1-3-CG	#1 X 3"
P1-6-CG	#1 X 6"
P2-SBY	#2 X 1/2"
P2-1-CG	#2 X 1"
P2-1-STUBBY	#2 X 1"
P2-4-CG	#2 X 4"
M2PL	#2 X 4"
P2-6-CG	#2 X 6"
P2-8-CG	#2 X 8"
P2-12-CG	#2 X 12"
P3-6-CG	#3 X 6"
P4-8-CG	#4 X 8"

Composite

PN	DESC
CPI-3-CG	#1 X 3"
CPI-5CG	#1 X 5"
CP2-4CG	#2 X 4"
CP2-6CG	#2 X 6"
CP3-6CG	#3 X 6"

- Slender insulation at tip for access to tight spaces
- Cushion Grip (CG) handle for greater comfort and torque
- Plating for corrosion resistance
- Internal Flanges in handle provide solid, twist-resistant blade



Offset

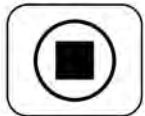
PN	DESC
OSSD-P26	#2 X 6"
OSSD-P36	#3 X 6"



PN	DESC
R0-4-CG	#0 X 4"
R1-4-CG	#1 X 4"
R1-8-CG	#1 X 8"
R1-10-CG	#1 X 10"
R2-4-CG	#2 X 4"
R2-8-CG	#2 X 8"
R3-4-CG	#3 X 4"
R3-8-CG	#3 X 8"



- Slender insulation at tip for access to tight spaces
- Cushion Grip (CG) handle for greater comfort and torque
- Plating for corrosion resistance
- Internal Flanges in handle provide solid, twist-resistant blade



Composite

PN	DESC
CR1-6CG	#1 X 6"
CR2-6CG	#2 X 6"
CR3-6CG	#3 X 6"

Robertson Tip Screwdrivers

Magnetic Tip Multi-Bit Screwdrivers

PN	DESC
MTS-3	3" Shaft, 3/16" & 1/4" Cabinet, #1, #2 & #3 Phillips
MTS-7	7" Shaft, 3/16" & 1/4" Cabinet, #1, #2 & #3 Phillips
MTS-7CA	7" Shaft, 3/16" & 1/4" Cabinet, #2 & #3 Phillips, #2 Robertson

Composite

PN	DESC
CMTS-6	6" Shaft, 3/16" & 1/4" Cabinet, #1, #2 & #3 Phillips
CMTS-6CA	6" Shaft, 3/16" & 1/4" Cabinet, #2 & #3 Phillips, #2 Robertson

- Slender insulation at tip for access to tight spaces
- Snap-Close storage handle for containment of many bit tips
- Plating for corrosion resistance
- Internal flanges in handle provide solid, twist-resistant blade



Nut Drivers

- Slender Insulation at Head for access to tight locations
- Cushion Grip (CG) handle for greater comfort and torque
- Plating for corrosion resistance
- Internal Flanges in handle provide solid, twist-resistant blade



ND120-CGXL



CND916-CG



-Angled

PN	DESC
ND516A.....	5/16"
ND380A.....	3/8"
ND716A.....	7/16"
ND716ASB...	7/16" Short Barrel
ND120A.....	1/2"
ND120ASB...	1/2" Short Barrel
ND916A.....	9/16"
ND916ASB...	9/16" Short Barrel
ND580A.....	5/8"
ND580ASB..	5/8" Short Barrel
ND340A.....	3/4"
ND340ASB..	3/4" Short Barrel



ND120ASB

ND120A

Holding Screwdrivers

- "Split-Blade" Design
- Rigid Composite Sleeve
- Plating for corrosion resistance
- Cushion Grip (CG) handle for greater comfort and torque
- Available in multiple sizes and bit tip configurations

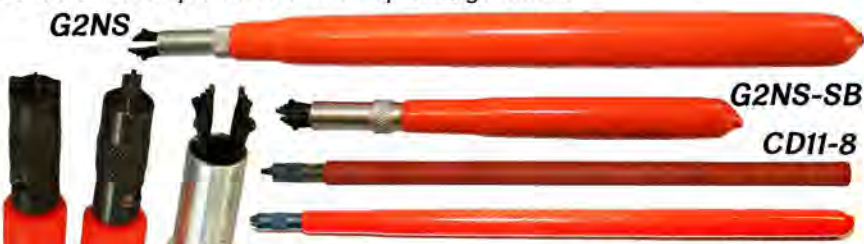


CPSBMP1

PN	DESC
CPSB1204....	1/8" X 4" OAL 6"
CPSB1206....	1/8" X 6" OAL 8"
CPSB1208....	1/8" X 8" OAL 10"
CPSB1704....	3/16" X 4" OAL 6.5"
CPSB1706....	3/16" X 6" OAL 8.5"
CPSB1708....	3/16" X 8" OAL 10.5"
CPSB1734....	3/16" X 6"
CPSB1736....	3/16" X 8"
CPSB1804....	3/16" X 4"
CPSB1806....	3/16" X 6" OAL 9.75"
CPSB1808...	3/16" X 8" OAL 11.75"
CPSB2304...	1/4" X 4"
CPSB2306...	1/4" X 6" OAL 9.75"
CPSB2308...	1/4" X 8" OAL 11.75"
CPSB2356...	1/4" X 10"
CPSBMP1....	#2 X 6" Phillips CG

Holding Screw and Nut Starters

- Spring-Loaded Design allows for easy operation while wearing insulating gloves
- Slender Design for tight area access and storage
- Composite includes opening end magnet for retrieval
- Available in multiple sizes and bit tip configurations



G2NS

G2NS-SBY

CD11-8

D11PTSH

Metric

PN	DESC
ND4MM-CG.....	4mm X 3"
ND4.5MM-CG....	4.5mm X 3"
ND5MM-CG.....	5mm X 3"
ND5MM-CGXL....	5mm X 6"
ND5.5MM-CG....	5.5mm X 3"
ND6MM-CG.....	6mm X 3"
ND6MM-CGXL....	6mm X 6"
ND7MM-CG.....	7mm X 3"
ND7MM-CGXL....	7mm X 6"
ND8MM-CG.....	8mm X 3"
ND8MM-CGXL....	8mm X 6"
ND9MM-CG.....	9mm X 3"
ND9MM-CGXL....	9mm X 6"
ND10MM-CG.....	10mm X 3"
ND10MM-CGXL..	10mm X 6"
ND11MM-CG.....	11mm X 3"
ND11MM-CGXL...	11mm X 6"
ND12MM-CG.....	12mm X 3"
ND12MM-CGXL..	12mm X 6"
ND13MM-CG.....	13mm X 3"
ND13MM-CGXL..	13mm X 6"

Composite

PN	DESC
CND316-CG3...	3/16" X 3"
CND316-CG.....	3/16" X 6"
CND140-CG3...	1/4" X 3"
CND140-CG.....	1/4" X 6"
CND516-CG3...	5/16" X 3"
CND516-CG.....	5/16" X 6"
CND1132-CG3..	11/32" X 3"
CND1132-CG....	11/32" X 6"
CND380-CG3...	3/8" X 3"
CND380-CG....	3/8" X 6"
CND716-CG3....	7/16" X 3"
CND716-CG.....	7/16" X 6"
CND120-CG3...	1/2" X 3"
CND120-CG.....	1/2" X 6"
CND916-CG3...	9/16" X 3"
CND916-CG.....	9/16" X 6"
CND580-CG.....	5/8" X 6"

Composite

PN	DESC
CD3-8.....	8" Flat Tip
CD11-8.....	8" Phillips Tip
CDNS-8....	8" Nut Starter

PN	DESC
D2FTSH.....	3/16" X 9-3/4" Flat Tip
D3FT-SBY....	1/4" X 4" Flat Tip "Stubby"
D3FTSH.....	1/4" X 9-3/4" Flat Tip
D10PTSH.....	#2 X 6" Phillips Tip
D11PT-SBY....	#2 X 4" Phillips Tip "Stubby"
D11PTSH.....	#2 X 9-3/4" Phillips Tip
F2PTSS.....	Universal Screwstarter
G2NS.....	Holding Nut Starter
G2NS-SBY... 4"	"Stubby" Holding Nut Starter

Nut Drivers / Starters

RATED 1000 VAC / 1500 VDC

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Screwdriver Rolls



Screwdriver Sets

TR-4SD

Cabinet Tip Screwdrivers -
3/16" X 6", 1/4" X 6"
Phillips Tip Screwdrivers -
#1 X 6", #2 X 6"
Driver Roll Pouch 6



TR-4MSD

Cabinet Tip Screwdrivers -
1.5mm X 2 1/2", 3.5mm X 2 1/2"
Phillips Tip Screwdrivers -
#0 X 2-1/2", #1 X 2-1/2"

TR-5MSD

TR-5MSD

Cabinet Tip Screwdrivers -
1/8" X 2", 9/64 X 2"
Phillips Tip Screwdriver -
#0 X 2"
Torx Tip Screwdrivers -
T10 X 2", T15 X 2"

TR-5SD

Cabinet Tip Screwdrivers -
3/16" X 4-1/2", 1/4" X 6"
Mechanics Tip Screwdriver -
5/16" X 6"
Phillips Tip Screwdrivers -
#1 X 3", #2 X 4"
Driver Roll Pouch 6



TR-5CSD

Composite Cabinet Tip Screwdrivers -
3/16" X 6", 1/4" X 6", 3/8" X 6"
Composite Phillips Tip Screwdrivers -
#2 X 6", #3 X 6"
Driver Roll Pouch 6

TR-6SD

Cabinet Tip Screwdrivers -
3/16" X 4-1/2", 3/16" X 6", 1/4" X 6"
Mechanics Tip Screwdriver -
5/16" X 6"
Phillips Tip Screwdrivers -
#1 X 3", #2 X 4"
Driver Roll Pouch 6



TR-6SD

TR-6MSD

Cabinet Tip Screwdrivers -
1.5mm X 2-1/2", 3mm X 2-1/2",
4mm X 2-1/2"
Phillips Tip Screwdrivers -
#00 X 2-1/2", #0 X 2-1/2",
#1 X 2-1/2"

TR-6SDS

Cabinet Tip Screwdrivers -
1/8" X 2", 3/16" X 6"
Mechanics Tip Screwdrivers -
1/4" X 4-1/2", 5/16" X 6"
Phillips Tip Screwdrivers -
#1 X 3", #2 X 4"
Driver Roll Pouch 6

TR-6SD-C

Composite Cabinet Tip Screwdrivers -
3/16" X 5", 3/16" X 6", 1/4" X 6"
Composite Mechanics Tip Screwdriver -
5/16" X 6"
Composite Phillips Tip Screwdrivers -
#1 X 3", #2 X 4"
Driver Roll Pouch 6

TR-6CSD

Composite Cabinet Tip Screwdrivers -
1/8" X 6", 3/16" X 6", 1/4" X 6"
Composite Phillips Tip Screwdrivers -
#1 X 5", #2 X 6", #3 X 6"
Driver Roll Pouch 6

TR-6SD-CSO

Composite Cabinet Tip Screwdrivers -
3/16" X 6", 1/4" X 6"
Composite Mechanics Tip Screwdriver -
5/16" X 6"
Composite Phillips Tip Screwdrivers -
#1 X 5", #2 X 6", #3 X 6"
Driver Roll Pouch 6

TR-7SD

Cabinet Tip Screwdrivers -
3/32" X 2", 3/16" X 4-1/2", 1/4" X 4", 1/4" X 6"
Phillips Tip Screwdrivers -
#0 X 3-1/2", #1 X 3", #2 X 4"
Driver Roll Pouch 8

RATED
1000 VAC / 1500 VDC

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Screwdriver Rolls



TR-8SD



TR-8MSD

Cabinet Tip Screwdrivers:

1.5mm X 2-1/2", 2.5mm X 2-1/2"
3.0mm X 2-1/2", 3.5mm X 2-1/2",
4.0mm X 2-1/2"

Phillips Tip Screwdrivers:

#00 X 2-1/2", #0 X 2-1/2", #1 X 2-1/2"

Driver Roll Pouch 8

TR-8SD

Cabinet Tip Screwdrivers:

3/16" X 4-1/2", 3/16" X 6", 1/4" X 6"

Mechanics Tip Screwdrivers:

5/16" X 6", 3/8" X 8"

Phillips Tip Screwdrivers:

#1 X 3", #2 X 4", #3 X 6"

Driver Roll Pouch 8

TR-8SD-C

Composite Cabinet Tip Screwdrivers:

3/16" X 5", 3/16" X 6", 1/4" X 4-1/2",
1/4" X 6"

Composite Mechanics Tip Screwdriver:

5/16" X 6", 3/8" X 6"

Composite Phillips Tip Screwdrivers:

#1 X 3", #2 X 4"

Driver Roll Pouch 8

TR-9SD

Cabinet Tip Screwdrivers:

3/16" X 4-1/2", 3/16" X 6", 3/16" X 8"

Mechanics Tip Screwdrivers:

1/4" X 4-1/2", 5/16" X 6", 3/8" X 10"

Phillips Tip Screwdrivers:

#1 X 3", #2 X 4", #3 X 6"

Tool Roll Pouch 9

TR-9SD-CA

Cabinet Tip Screwdrivers:

3/16" X 4-1/2", 3/16" X 6", 1/4" X 6"

Mechanics Tip Screwdriver:

5/16" X 6"

Phillips Tip Screwdrivers:

#1 X 3", #2 X 6"

Robertson Tip Screwdrivers:

#1 X 8", #2 X 8", #3 X 8"

Tool Roll Pouch 9

TR-10SD

Cabinet Tip Screwdrivers:

1/8" X 2", 3/16" X 6", 3/16" X 8",
1/4" X 6"

Mechanics Tip Screwdrivers:

5/16" X 6", 3/8" X 8", 3/8" X 10"

Phillips Tip Screwdrivers:

#1 X 3", #2 X 4", #3 X 6"

Driver Roll Pouch 12

TR-10SDS

Cabinet Tip Screwdrivers:

1/8" X 2", 3/16" X 6", 3/16" X 10"

Mechanics Tip Screwdrivers:

1/4" X 4-1/2", 5/16" X 6", 3/8" X 8",
3/8" X 12"

Phillips Tip Screwdrivers:

#1 X 3", #2 X 4", #3 X 6"

Driver Roll Pouch 12

TR-11SD

Cabinet Tip Screwdrivers:

1/8" X 2", 1/8" X 6", 3/16" X 4-1/2",
3/16" X 6", 1/4" X 6"

Mechanics Tip Screwdrivers:

1/4" X 4-1/2", 5/16" X 6", 3/8" X 8"

Phillips Tip Screwdrivers:

#1 X 3", #2 X 4", #3 X 6"

Driver Roll Pouch 12

Nut Driver Rolls



TR-6NDXL

TR-6ND

3" Nut Drivers:

3/16", 1/4", 5/16", 3/8", 7/16", 1/2"

Driver Roll Pouch 6

TR-6NDXL

6" Nut Drivers:

3/16", 1/4", 5/16", 3/8", 7/16", 1/2"

Driver Roll Pouch 6

TR-6NDXL-C

6" Composite Nut Drivers:

3/16", 1/4", 5/16", 3/8", 7/16", 1/2"

Driver Roll Pouch 6

TR-7NDXL

6" Nut Drivers: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
Driver Roll Pouch 8

TR-8ND

3" Nut Drivers: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
Driver Roll Pouch 8

TR-8NDXL

6" Nut Drivers: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
Driver Roll Pouch 8

TR-8CND

6" Composite Nut Drivers: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
Driver Roll Pouch 8

TR-8NDXL-C

6" Composite Nut Drivers: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"
Composite Holding Nut Starter: 5/16" X 8"
Driver Roll Pouch 8

TR-9ND

3" Nut Drivers: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8"
Driver Roll Pouch 9

TR-9NDXL

6" Nut Drivers: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8"
Driver Roll Pouch 9

TR-5ND-MM

3" Nut Drivers: 6mm, 7mm, 8mm, 9mm 10mm
Driver Roll Pouch 6

TR-8ND-MM

3" Nut Drivers: 5mm, 6mm, 7mm, 8mm 9mm, 10mm, 11mm, 12mm
Driver Roll Pouch 8

TR-11ND-MM

3" Nut Drivers: 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm
Driver Roll Pouch 12



Nut Driver Rolls



TR-8ND



TR-8NDXL

Combination Screwdriver / Nut Driver Rolls



TR-10NDSD

Nut Drivers 3" Length:
1/4", 5/16", 3/8", 7/16"
Cabinet Tip Screwdrivers:
3/16" X 4-1/2", 3/16" X 6", 1/4" X 6"
Mechanics Tip Screwdriver:
5/16" X 6"
Phillips Tip Screwdrivers:
#1 X 3", #2 X 4"
Driver Roll Pouch 9



TR-12NDXL/SD

TR-15 DRIVER TOOLS

Cabinet Tip Screwdrivers: 1/8" X 2"
3/16" X 4-1/2", 3/16" X 6", 1/4" X 6"
Mechanics Tip Screwdrivers:
1/4" X 4-1/2", 1/4" X 4-1/2", 5/16" X 6"
Phillips Tip Screwdrivers: #1 X 3,
#2 X 4", #2 X 8", #3 X 6"
8" Composite Starters: Phillips,
Slotted, 5/16" Nut
Driver Roll Pouch 12

TR-12NDXL/SD

Nut Drivers 6" Length:
3/16", 1/4", 5/16", 3/8", 7/16", 1/2"
Cabinet Tip Screwdrivers:
3/16" X 4-1/2", 3/16" X 6", 1/4" X 6"
Mechanics Tip Screwdriver:
5/16" X 6"
Phillips Tip Screwdrivers:
#1 X 3", #2 X 4"
Driver Roll Pouch 12

TR-12NDSD

3" Nut Drivers: 3/16", 1/4",
5/16", 3/8", 7/16", 1/2"
Cabinet Tip Screwdrivers:
3/16" X 4-1/2", 3/16" X 6", 1/4" X 6"
Mechanics Tip Screwdriver:
5/16" X 6"
Phillips Tip Screwdrivers:
#1 X 3", #2 X 4"
Driver Roll Pouch 12

New England Style Linesmen's Pliers

- Heat Treated
- Useful crushing area
- Hardened
- Sure-gripping, cross-hatched
- Knurled jaws
- Heavy-duty cutting knives (cuts ACSR, screws, nails, and most hardened wire)



P9SCNE-H

PN	DESC
P6SCNE.....	6"
P7SCNE.....	7"
P8SCNE.....	8"
P8SCNE-CR.....	8" with Crimper
P9SCNE.....	9"
P9SCNE-CRFT...	9" with Crimper and Fish Tape Puller
P9SCNE-H.....	9" Hardened
P9SCNE-TH.....	9" with Thread Restorer

Universal Pliers



P8-UP

- Compact head
- Heat Treated
- Useful crushing area
- Aussie - Bypass cutting blades for excellent leverage and clean cuts

PN	DESC
P8AUP.....	8" Aussie
P8AUP-C...	8" Aussie with Crimper
P8-UP.....	8" with Crimper
P9-UP.....	9" with Crimper

Water Pump Pliers

- Right angle, laser heat-treated teeth provide long life and better grip
- Undercut tongue and groove won't slip
- Reinforced edge minimizing stress breakage



P12WP

PN	DESC
P4WP.....	4"
P6WP.....	6"
P8WP.....	8"
P10WP.....	10"
P10WP-CA.....	10" Cam Action
P10WP-VG.....	10" with V-Groove
P12WP.....	12"
P12WP-CA.....	12" Cam Action
P12WP-RVG....	12" with Groove Jaw
P12WP-VG.....	12" with V-Groove
P16WP.....	16"
P20WP.....	20"

Needle Nose Pliers

- Designed to reach confined areas
- Long chain nose with fine serrated jaws to make wire loops and bends
- Side cutting edge
- Heavy Duty - High carbon C1080 steel for superior performance



P8CNWS

PN	DESC
P4CN.....	4"
P5BN.....	5" Bent Nose
P6BN.....	6" Bent Nose
P6CN.....	6"
EP-CN6.....	6" Long Reach Mini
P7CN.....	7"
P8CN.....	8"
P8CN2.....	8" Heavy Duty
P8CN2-S.....	8" Heavy Duty with Stripper
P8CN2-SCR...	8" Heavy Duty with Crimp and Stripper
P8CN-WS.....	8" with Wire Stripper

RATED 10,000 VAC / 1500 VDC
Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Long Reach Pliers



PN _____ **DESC** _____

- PSTN-10LR.....11-3/4" Straight Nose
- PBN45-10LR...11-1/2" Bent Nose
- PSTNU-9.....10-1/2" Straight Nose
- P45BNU-10.....10" 45° Bent Nose



PBN45-10LR

Long Reach Mini Pliers



PN _____ **DESC** _____

- EP-OD5... 5-3/4" Oval Head
- EP-CN6... 6-1/2" Chain Nose
- EP-NN7....7-1/2" Thin Nose
- EP-FN6.... 6-1/2" Flat Nose
- EP-TD5....6" Thin Diagonal
- EP-BN6....7-1/4" Bent Nose
- ST-EPZP..Zippered Vinyl Pouch
- EP-7PK....7pc set with Pouch



EP-7PK

Duck Bill Pliers

PN _____ **DESC** _____

- P6-DB....6" Flat Nose
- P8-FN....8" Flat Nose



P6-DB

Crimping Pliers



- Slim nose shape for tight places
- Designed for crimping both insulated and non-insulated solderless connections and terminals
- Cuts 10-22 AWG wire

PN _____ **DESC** _____

- P100CT..... 10" Crimping
- P100CCP.....10" Heavy Duty Crimping and Cutting



P100CT

Round Nose Gas Pliers



- Forged Steel
- Double Pipe Grip
- Conforms to ANSI Specification No. B107.20M Type V
- Conforms to Federal Specification No. GGG-P-471 Type VI

PN _____ **DESC** _____

- P10GP.....10" Bare Handle - Non-Rated
- P10GP-C...10" Cushion Grip - Non Rated
- P10GP-I.....10" 1000V Insulated



P10GP-I

Slip Joint Pliers



- Curved jaw with machined gripping teeth
- Carbon steel forged and machined
- Hardened and tempered

PN _____ DESC _____
 P6SJ..... 6"
 P8SJ..... 8"
 P10SJ.... 10"



P10SJ

Non-Conductive Pliers



PK100

- Non-conductive tool
- Completely concealed pivot pin (only steel component)
- Slender Jaws for entry to tight areas

PN _____ DESC _____
 PK100....7" Fiberglass Reinforced Plastic

Wire Stripping Pliers



WS19

- Plier style nose allows looping and pulling of wire
- Elongated handles for proper hand fit

PN _____ DESC _____
 WS45-215.... 7 5/8"
 WS19..... 9" With Crimper
 WS30-428...
 WS45-121....
 WS45-215....
 WS45-218....
 WS45-615....
 P8CN-WS.... 8" Needle Nose

Automatic Wire Stripper



WS1022-I

- Knife-type blades
- Cleanly strips wire up to 7/8" or 22mm
- One-third less hand pressure for each strip
- Eliminates nicking, cutting, and fraying of wire
- Wire Grippers hold and strip wire while centered

PN _____ DESC _____
 WS1022-I... 8-1/4" 10-22 Gauge



Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

RATED 1000 VAC 1500 VDC

Diagonal Cutting Pliers

PN	DESC
P4D.....	4"
P6D.....	6"
P7D.....	7-1/2"
P8D.....	8"
P8D2.....	8" Heavy Duty
P8DA.....	8" Angled
P8DAH....	8" Hardened Angled
P8D2H....	8" Hardened
P775HL....	7-3/4" High Leverage
P954HL...	9-1/2" High Leverage

- Box joint
- Designed for general wire cutting, flush cutting, or in confined spaces
- Durable heat treated edges
- Polished head

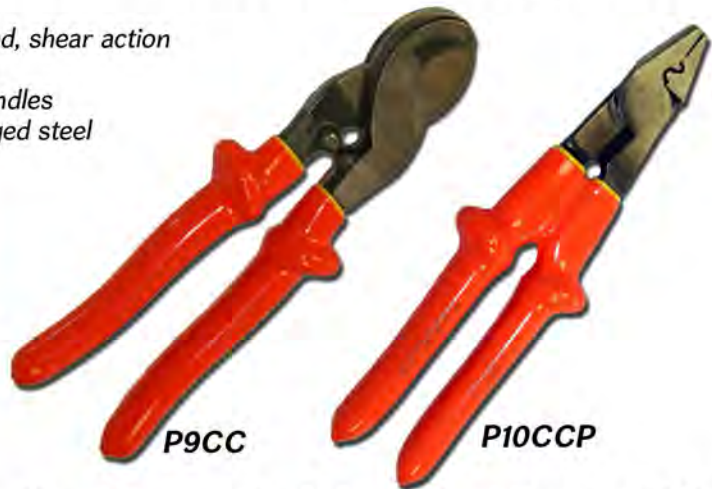


P7D

Shear-Cut Cable Cutting Pliers

PN	DESC
P8CC.....	8"
P9CC.....	9"
P9CC-CR...	9" with Crimper
P9CC-FS...	Fire Safety 9"
P9CC-LR...	9" with Large Ring
P10CC.....	9 1/2" Bull Nose
P10CCP....	Universal with Plier
CC-24.....	24"
CC-25.....	25"
CC-30.....	30"

- Precision ground, shear action cutting blades
- Hi-Leverage handles
- Heavy duty forged steel
- Heat treated



P9CC

P10CCP

Bolt Cutters

- Drop-forged, precision ground, alloy tool steel jaws with center-cut blades
- Lockplate keeps jaws secure
- Toggle joint provides and 80x increase of hand-cutting pressure
- Screw-type adjustment allows realignment of edges



BC-18

PN	DESC
BC-18....	18"
BC-24....	24"
BC-30...	30"
BC-36...	36"

Ratcheting Cable Cutting Pliers

- Hardened heavy-duty cutting blades
- Locking mechanism for safe transportation



Standard

- Cutter for stranded & flexible copper and aluminum cable
- Not for use on steel, aluminum alloys, or hard-drawn copper cables

ACSR

- capable of cutting aluminum, copper, and aluminum conductor steel reinforced (ACSR) cables

PN	DESC
RCC500.....	10" up to 500 MCM
RCC750.....	9" up to 750 MCM
RCC1000.....	15" up to 1000 MCM

RCC350-ACSR...10" up to 350 MCM/
336 ACSR



RC500

RCC350-ACSR

Fully Insulated - 1000V Rated Adjustable Wrenches



- Wide capacity jaw allows each tool to work with more fastener sizes
- Wider handle provides more comfort and less stress to the hand
- Tension spring stabilizes jaw and allows easy adjustment of knurled adjustment knob
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight
- Fully insulated adjustable wrench with NO exposed metal for complete 1000V Protection



AW-10FI

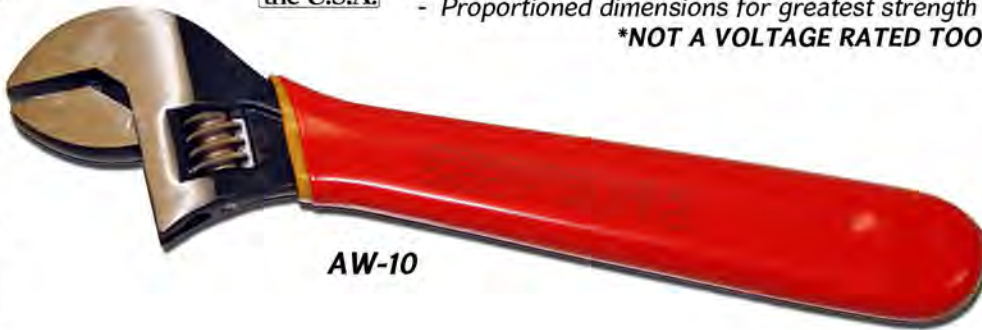
PN	DESC
AW-6FI.....	6" O.A.L. - .94" Opening
AW-8FI.....	8" O.A.L. - 1.13" Opening
AW-10FI.....	10" O.A.L. - 1.31" Opening
AW-10FI-ST.	10" With Loop
AW-12FI.....	12" O.A.L. - 1.56" Opening
AW-15FI.....	15" O.A.L. - 1.75" Opening

Insulated - Non-Voltage Rated Adjustable Wrenches



- Wide capacity jaw allows each tool to work with more fastener sizes
- Wider handle provides more comfort and less stress to the hand
- Tension spring stabilizes jaw and allows easy adjustment of knurled adjuster
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight

***NOT A VOLTAGE RATED TOOL**



AW-10

PN	DESC
AW-4.....	4" O.A.L. - .69" Opening
AW-6.....	6" O.A.L. - .94" Opening
AW-6-C...	6" Chrome
AW-8.....	8" O.A.L. - 1.13" Opening
AW-8-C...	8" Chrome
AW-10.....	10" O.A.L. - 1.31" Opening
AW-10-C..	10" Chrome
AW-12.....	12" O.A.L. - 1.56" Opening
AW-12-C..	12" Chrome
AW-15.....	15" O.A.L. - 1.75" Opening
AW-15-C..	15" Chrome

Pipe Wrenches



- Oh Yes - We even have these
- Premium quality Rothenberger base tool with bump protection

***NOT A VOLTAGE RATED TOOL**



12PW

PN	DESC
8PW.....	8"
10PW.....	10"
12PW.....	12"

RATED 1000 VAC / 1500 VDC
Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

PN	DESC
OEW-06	3/16"
OEW-08	1/4"
OEW-10	5/16"
OEW-10L	5/16" Long 7"
OEW-11	11/32"
OEW-12	3/8"
OEW-14	7/16"
OEW-16	1/2"
OEW-18	9/16"
OEW-20	5/8"
OEW-22	11/16"
OEW-24	3/4"
OEW-26	13/16"
OEW-28	7/8"
OEW-28S	7/8" Short 7"
OEW-30	15/16"
OEW-32	1"
OEW-34	1-1/16"
OEW-36	1-1/8"
OEW-38	1-3/16"
OEW-40	1-1/4"
OEW-40S	1-1/4" Short 10"
OEW-42	1-5/16"
OEW-44	1-3/8"
OEW-46	1-7/16"
OEW-48	1-1/2"
OEW-48S	1-1/2" Short 10"
OEW-52	1-5/8"
OEW-54	1-11/16"
OEW-56	1-3/4"
OEW-58	1-13/16"
OEW-60	1-7/8"
OEW-64	2"

PN	DESC
OEW-06M	6mm
OEW-07M	7mm
OEW-08M	8mm
OEW-09M	9mm
OEW-10M	10mm
OEW-11M	11mm
OEW-12M	12mm
OEW-13M	13mm
OEW-14M	14mm
OEW-15M	15mm
OEW-16M	16mm
OEW-17M	17mm
OEW-18M	18mm
OEW-19M	19mm
OEW-20M	20mm
OEW-21M	21mm
OEW-22M	22mm
OEW-23M	23mm
OEW-24M	24mm
OEW-25M	25mm
OEW-26M	26mm
OEW-27M	27mm
OEW-28M	28mm
OEW-29M	29mm
OEW-30M	30mm
OEW-32M	32mm

Open End Wrenches

The right tool for the job. Cementex Open End Wrenches provide premium quality with a wide range of options when only the right tool will do. Long, Short, Big, Small, and everything in between – Cementex delivers.



- Classic design perfected over time
- Slender head allows access to tight locations
- Wide range of sizes and length
- Made in USA



OEW-22



IOEWS-8



IOEWS-11M

Open End Wrench Sets

PN	DESC
IOEWCB-6	1-5/8", 1-11/16", 1-3/4", 1-13/16", 1-7/8", 2", T-Handle Bag - Long
IOEWCB-8	1", 1-1/16", 1-1/8", 1-1/4", 1-5/16, 1-3/8", 1-7/16", 1-1/2", T-Handle Bag - Long
IOEWS-6	3/8", 7/16", 1/2", 9/16", 5/8", 3/4", Wrench Roll Pouch 8
IOEWS-8	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", Wrench Roll Pouch 8
IOEWS-11	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", Wrench Roll Pouch 11
IOEWS-13	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", Wrench Roll Pouch 11
IOEWS-14	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", 1-1/4", Wrench Roll Pouch 13
IOEWS-6M	10mm, 12mm, 13mm, 14mm, 15mm, 17mm, Wrench Roll Pouch 8
IOEWS-8M	10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 18mm, 19mm, Wrench Roll Pouch 8
IOEWS-11M	10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm, 22mm, 24mm, 27mm, Wrench Roll Pouch 11
IOEWS-13M	7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, Wrench Roll Pouch 11
IOEWS-17M	10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 18mm, 19mm, Wrench Roll Pouch 13

Open End Wrenches

TESTED 1000 VAC 1500 VDC Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Box End Wrenches

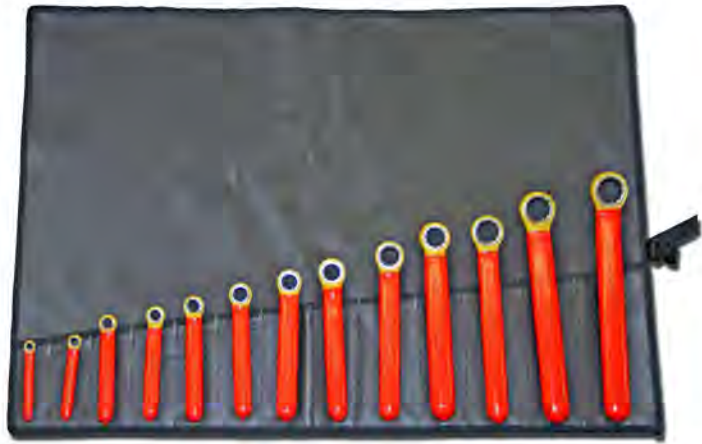


The right tool for the job. Cementex Box End Wrenches provide premium quality with a wide range of options when only the right tool will do. Long, Short, Big, Small, and everything in between.

- Classic design perfected over time
- Slender head allows access to tight locations
- Wide range of sizes and length
- Made in USA



BEW-20



IBEWS-13

PN	DESC	PN	DESC
BEW-06	3/8"	BEW-06M	6mm
BEW-08	1/4"	BEW-07M	7mm
BEW-10	5/16"	BEW-08M	8mm
BEW-12	3/8"	BEW-09M	9mm
BEW-12OS	3/8" Offset	BEW-10M	10mm
BEW-14	7/16"	BEW-11M	11mm
BEW-16	1/2"	BEW-12M	12mm
BEW-16OS	1/2" Offset	BEW-13M	13mm
BEW-18	9/16"	BEW-14M	14mm
BEW-20	5/8"	BEW-15M	15mm
BEW-20OS	5/8" Offset	BEW-16M	16mm
BEW-22	11/16"	BEW-17M	17mm
BEW-24	3/4"	BEW-18M	18mm
BEW-24OS	3/4" Offset	BEW-19M	19mm
BEW-26	13/16"	BEW-19MOS	19mm Offset
BEW-28	7/8"	BEW-20M	20mm
BEW-28OS	7/8" Offset	BEW-21M	21mm
BEW-30	15/16"	BEW-22M	22mm
BEW-32	1"	BEW-23M	23mm
BEW-34	1-1/16"	BEW-24M	24mm
BEW-36	1-1/8"	BEW-25M	25mm
BEW-38	1-3/16"	BEW-26M	26mm
BEW-40	1-1/4"	BEW-27M	27mm
BEW-42	1-5/16"	BEW-28M	28mm
BEW-44	1-3/8"	BEW-29M	29mm
BEW-46	1-7/16"	BEW-30M	30mm
BEW-48	1-1/2"	BEW-32M	32mm
BEW-52	1-5/8"		
BEW-54	1-11/16"		
BEW-56	1-3/4"		
BEW-58	1-13/16"		
BEW-60	1-7/8"		
BEW-64	2"		



IBEWS-13M

Box End Wrench Sets

PN	DESC
IBEWCB-6	1-5/8", 1-11/16", 1-3/4", 1-13/16", 1-7/8", 2", T-Handle Bag - Long
IBEWCB-8	1", 1-1/16", 1-1/8", 1-1/4", 1-5/16, 1-3/8", 1-7/16", 1-1/2", T-Handle Bag - Long
IBEWS-8	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", Wrench Roll Pouch 8
IBEWS-9-1434	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", Wrench Roll Pouch 8
IBEWS-11	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", Wrench Roll Pouch 1
IBEWS-13	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", Wrench Roll Pouch 13
IBEWS-14	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", 1-1/4", Wrench Roll Pouch 13
IBEWS-6M	10mm, 12mm, 13mm, 14mm, 15mm, 17mm, Wrench Roll Pouch 8
IBEWS-8M	10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 18mm, 19mm, Wrench Roll Pouch 8
IBEWS-10M-0716	7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, Wrench Roll Pouch 11
IBEWS-11M	10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm, 22mm, 24mm, 27mm, Wrench Roll Pouch 11
IBEWS-13M	7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, Wrench Roll Pouch 13
IBEWS-17M	7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 22mm, 23mm, Wrench Roll Pouch 8

RATED 10,000 VAC / 1500 VDC
Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Ratcheting Box End Wrenches

PN	DESC
IGW-06M	6mm
IGW-07M	7mm
IGW-08M	8mm
IGW-09M	9mm
IGW-10M	10mm
IGW-11M	11mm
IGW-12M	12mm
IGW-13M	13mm
IGW-14M	14mm
IGW-15M	15mm
IGW-16M	16mm
IGW-17M	17mm
IGW-18M	18mm
IGW-19M	19mm
IGW-20M	20mm
IGW-21M	21mm
IGW-22M	22mm
IGW-23M	23mm
IGW-24M	24mm
IGW-25M	25mm
IGW-27M	27mm
IGW-30M	30mm
IGW-32M	32mm

PN	DESC
IGW-08	1/4"
IGW-10	5/16"
IGW-12	3/8"
IGW-14	7/16"
IGW-16	1/2"
IGW-18	9/16"
IGW-20	5/8"
IGW-22	11/16"
IGW-24	3/4"
IGW-26	13/16"
IGW-28	7/8"
IGW-30	15/16"
IGW-32	1"
IGW-34	1-1/16"
IGW-36	1-1/8"
IGW-40	1-1/4"

The secure hold and size benefits of the Cementex Box End Wrenches with the added features of a Ratcheting head. Precision Ratcheting head is guaranteed to withstand your heavy work load while saving valuable time.



- Classic design only slightly larger than a standard box end wrench
- Slender head allows access to tight locations
- Wide range of sizes and length
- Reverse direction by flipping sides



IGW-24



IGRBWS-8



IGRBWS-11

Ratcheting Box End Wrench Sets

PN	DESC
IGRBWS-8	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", Wrench Roll Pouch 8
IGRBWS-9	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", Wrench Roll Pouch 8
IGRBWS-11	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", Wrench Roll Pouch 11
IGRBWS-13	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", Wrench Roll Pouch 13
IGRBWS-16	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", 1-1/16", 1-1/8", 1-1/4", Wrench Roll Pouch 13
IGRBWS-8M	10mm, 11mm, 12mm, 14mm, 16mm, 18mm, 19mm, 20mm, Wrench Roll Pouch 8
IGRBWS-11M	9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, Wrench Roll Pouch 11
IGRBWS-15M	7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, Wrench Roll Pouch 13

Ratcheting Wrenches

RATED
1000 VAC / 1500 VDC

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Single End Ratcheting Box Wrenches

Full polish finish provides corrosion resistance and an easy-to-clean surface, while built in retaining ring in each ratchet wheel adds speed and convenience for great accessibility. Shorter length for access to confined workspaces. The wrench self-aligns with the fastener.



PN	DESC
RBWSE-08	1/4"
RBWSE-10	5/16"
RBWSE-12	3/8"
RBWSE-14	7/16"
RBWSE-16	1/2"
RBWSE-18	9/16"
RBWSE-20	5/8"
RBWSE-22	11/16"
RBWSE-24	3/4"
RBWSE-28	7/8"



RBWSE-28

Offset Single End Ratcheting Box Wrenches

Full polish finish provides corrosion resistance and an easy-to-clean surface. Built in retaining ring in each ratchet wheel adds speed and while the 45° offset and shorter length provide for greater access to confined workspaces. The wrench self-aligns with the fastener.



PN	DESC
ROBWSE-08	1/4"
ROBWSE-10	5/16"
ROBWSE-12	3/8"
ROBWSE-14	7/16"
ROBWSE-16	1/2"
ROBWSE-18	9/16"
ROBWSE-20	5/8"
ROBWSE-22	11/16"
ROBWSE-24	3/4"
ROBWSE-28	7/8"



ROBWSE-24

Ratcheting Bug Wrenches

Orange handle is formulated of a high strength and high dielectric polymer. A see-through port in the center of the handle confirms that the two ends are not electrically connected.



PN	DESC
CPIRB-0810	1/4" X 5/16"
CPIRB-0814	1/4" X 3/8"
CPIRB-1006	5/16" X 3/16"
CPIRB-1214	3/8" X 7/16"
CPIRB-1618	1/2" X 9/16"
CPIRB-1824	9/16" X 3/4"
CPIRB-2022	5/8" X 11/16"
CPIRB-2024	5/8" X 3/4"
CPIRB-2026	5/8" X 13/16"
CPIRB-2428	7/8" X 3/4"
CPIRB-516HX16	5/16" Hex X 1/2"
CPIRBK-5	5 Pc Set - 3/8" X 7/16", 1/2" X 9/16", 9/16" X 3/4", 5/8" X 3/4", 7/8" X 3/4", Wrench Roll Pouch 6



CPIRB-2024

One Hander Wrench

One Hand Wrenches features a strong, forged steel, one-piece handle. Spring-loaded jaws grip any shape: meter nuts, round pipe, or parts of fittings without adjustment. One Hand Wrenches work like a pipe wrench and provide better grip than pliers due to the jaws and tooth direction. Securely and immediately tighten and loosen without removing the wrench from pipe.

***NOT A VOLTAGE RATED TOOL**

PN	DESC
OHW-08	8"
OHW-10	10"
OHW-12	12"



RATED 1500 VDC 1000 VAC

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts



Metric

IHW-716



Hex Wrenches

- Hardened American Steel
- Made in USA

T-Handle: Solid Core handle provides superior grip and rigid construction limiting twisting and flexing, and distributing pressure evenly throughout gloved hand.



IHK-716

IHK-716L

SAE

SIZE	"L"	Short Arm "L"	6" T-HANDLE
.9mm	IHW-.9M	IHW-.9M-SA	IHK-.9M
1.5mm	IHW-1.5M	IHW-1.5M-SA	IHK-1.5M
2mm	IHW-2M	IHW-2M-SA	IHK-2M
2.5mm	IHW-2.5M	IHW-2.5M-SA	IHK-2.5M
3mm	IHW-3M	IHW-3M-SA	IHK-3M
3.5mm	IHW-3.5M	IHW-3.5M-SA	IHK-3.5M
4mm	IHW-4M	IHW-4M-SA	IHK-4M
5mm	IHW-5M	IHW-5M-SA	IHK-5M
5.5mm	IHW-5.5M	IHW-5.5M-SA	IHK-5.5M
6mm	IHW-6M	IHW-6M-SA	IHK-6M
7mm	IHW-7M	IHW-7M-SA	IHK-7M
8mm	IHW-8M	IHW-8M-SA	IHK-8M
9mm	IHW-9M	IHW-9M-SA	IHK-9M
10mm	IHW-10M	IHW-10M-SA	IHK-10M
11mm	IHW-11M	IHW-11M-SA	IHK-11M
12mm	IHW-12M	IHW-12M-SA	IHK-12M
13mm	IHW-13M	IHW-13M-SA	IHK-13M
14mm	IHW-14M	IHW-14M-SA	IHK-14M
17mm	IHW-17M	IHW-17M-SA	IHK-17M
19mm	IHW-19M	IHW-19M-SA	IHK-19M
22mm	IHW-22M	IHW-22M-SA	IHK-22M
24mm	IHW-24M	IHW-24M-SA	IHK-24M

SIZE	"L"	XL ARM "L"	6" T-HANDLE	9" T-HANDLE	14" T-HANDLE
1/16"	IHW-116	IHW-116L	IHK-116	-	-
5/64"	IHW-564	IHW-564L	IHK-564	IHK-564L	IHK-564XL
3/32"	IHW-332	IHW-332L	IHK-332	IHK-332L	IHK-332XL
7/64"	IHW-764	IHW-764L	IHK-764	IHK-764L	IHK-764XL
1/8"	IHW-180	IHW-180L	IHK-180	IHK-180L	IHK-180XL
9/64"	IHW-964	IHW-964L	IHK-964	IHK-964L	IHK-964XL
5/32"	IHW-532	IHW-532L	IHK-532	IHK-532L	IHK-532XL
3/16"	IHW-316	IHW-316L	IHK-316	IHK-316L	IHK-316XL
7/32"	IHW-732	IHW-732L	IHK-732	IHK-732L	IHK-732XL
1/4"	IHW-140	IHW-140L	IHK-140	IHK-140L	IHK-140XL
5/16"	IHW-516	IHW-516L	IHK-516	IHK-516L	IHK-516XL
3/8"	IHW-380	IHW-380L	IHK-380	IHK-380L	IHK-380XL
7/16"	IHW-716	IHW-716L	IHK-716	IHK-716L	IHK-716XL
1/2"	IHW-120	IHW-120L	IHK-120	IHK-120L	IHK-120L
9/16"	IHW-916	IHW-916L	IHK-916	IHK-916L	IHK-916XL
5/8"	IHW-580	IHW-580L	IHK-580	IHK-580L	IHK-580XL
3/4"	IHW-340	IHW-340L	IHK-340	-	-



HWS-14L



MHWS-8LA

Hex "L" Wrench Sets

PN	DESC
HWS-7L.....	5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", Hex Key Pocket Pouch
HWS-8L.....	1/8", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", Hex Key Pocket Pouch
HWS-10L.....	1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", Hex Key Pocket Pouch
HWS-14L.....	1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", Hex Key Pocket Pouch
HWS-16L.....	1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16, 5/8", Hex Key Pocket Pouch
MHWS-8LA...	4mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 14mm, Hex Key Pocket Pouch
MHWS-9L.....	1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, Hex Key Pocket Pouch
MHWS-10L...	1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 9mm, 10mm, Hex Key Pocket Pouch
MHWS-11L.....	1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 11mm, 12mm, Hex Key Pocket Pouch
MHWS-12L.....	1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 14mm, 17mm, Hex Key Pocket Pouch
MHWS-13L.....	1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, Hex Key Pocket Pouch
MHWS-14L.....	.9mm, 1.5mm, 2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 12mm, 14mm, 17mm, Hex Key Pocket Pouch
MHWS-18L.....	1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 14mm, 17mm, 19mm, 22mm, 24mm, Hex Key Pocket Pouch

Hex Wrenches



Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Hex T-Handle Wrench Sets

Multiple shaft lengths and a range of combinations sure to meet your requirements. Ask your Cementex dealer or representative about adding one of these kits to your collection of tools or adding individual T-Handles to your custom kit.



HKS-8TL916XL

T-Handle Bag - Long



T-Handle Bag - Standard

HKS-8T916



MHKS-10T

PN _____ 6" T-Handle Wrenches

- HKS-3T120.....5/64", 3/8", 1/2", T-Handle Bag - Standard
- HKS-6T.....5/32", 3/16", 7/32", 1/4", 5/16", 3/8", T-Handle Bag - Standard
- HKS-6T380.....5/32", 3/16", 7/32", 1/4", 5/16", 3/8", T-Handle Bag - Standard
- HKS-8T380.....1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", T-Handle Bag - Long
- HKS-8T916.....1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", T-Handle Bag - Standard
- HKS-10T120.....1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", T-Handle Bag - Standard
- HKS-10T380.....3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", T-Handle Bag - Standard
- HKS-11T380.....5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", T-Handle Bag - Long
- HKS-11T916.....1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", T-Handle Bag - Standard
- HKS-12T120.....3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", T-Handle Bag - Standard
- HKS-13T120.....5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", T-Handle Bag - Long
- HKS-13T916.....3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", T-Handle Bag - Standard
- HKS-14T580.....3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", T-Handle Bag - Standard

PN _____ 9" T-Handle Wrenches

- HKS-8TL380XL.....1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", T-Handle Bag - Long
- HKS-8TL916XL.....1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", T-Handle Bag - Long
- HKS-10TL120XL.....1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", T-Handle Bag - Long
- HKS-10TL380XL.....3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", T-Handle Bag - Long
- HKS-11TL916XL.....1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", T-Handle Bag - Long
- HKS-12TL120XL.....3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", T-Handle Bag - Long
- HKS-14T580XL.....3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", T-Handle Bag - Long

PN _____ Metric 6" T-Handle Wrenches

- MHKS-4T.....4mm, 5mm, 6mm, 8mm, Small Pocket Pouch
- MHKS-8T.....2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 9mm, 10mm, T-Handle Bag - Long
- MHKS-9T.....2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, T-Handle Bag - Long
- MHKS-10T.....2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, T-Handle Bag - Long

Hex Wrench Sets

RATED 1000 VAC 1500 VDC

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

T-Handle 6-Point Socket Wrenches

PN	DESC
TW12-10L	5/16" X 12"
TW12-12L	3/8" X 12"
TW12-14L	7/16" X 12"
TW12-16	1/2" X 12"
TW12-16L	1/2" X 12"
TW-12-16-16L	1/2" X 16"
TW12-18L	9/16" X 12"
TW12-18-18L	9/16" X 18"
TW12-33-18L Fl	9/16" X 33"
TW12-20L	5/8" X 12"
TW12-22L	11/16" X 12"
TW12-24L	3/4" X 12"
TW12-26L	13/16" X 12"
TW12-18L	7/8" X 12"
TW12-30L	15/16" X 12"
TW12-32L	1" X 12"

- Hardened American Steel
- Solid Core Handle provides superior grip and rigid construction limiting twisting and flexing, and distributing pressure evenly throughout gloved hand.
- Deep wall and hollow shank
- Custom lengths available
- Made in USA



TW12-16L

T-Handles - Breaker Bars

PN	DESC
TW38-DR	3/8" Square Drive X 7"
TW38DR-12	3/8" Square Drive X 12"
TW12-DR	1/2" Square Drive X 10-1/2"

- Hardened American Steel
- Solid Core Handle provides superior grip and rigid construction limiting twisting and flexing, and distributing pressure evenly throughout gloved hand.
- Made in USA



TW12-DR

T-Handle Drives

PN	DESC
BB14-5	1/4" Drive, 5-3/4" Length
BB38-8	3/8" Drive, 8 1/2" Length
IBB38-9-19M	3/8" Drive, 9" Length, 19mm Socket
IBB38-12	3/8" Drive, 12" Length
BB38-15	3/8" Drive, 15" Length
IBB38-15	3/8" Drive, 15" Length
BB12-12	1/2" Drive, 12" Length
BB12-17	1/2" Drive, 17" Length
BB34-22	3/4" Drive, 22" Length



IBB38-8

Breaker Bars

Break loose stubborn nuts and bolts without damage your socket wrench! The additional length allows the same amount of force to generate more torque than a standard length socket wrench. Custom sizes available.

RATED 1000 VAC / 1500 VDC Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Torque Wrenches

- Audible "click" and/or a few degrees of travel provide simple, fast indication of micrometer - accurate torque settings.
- Low friction torque control mechanism produces accurate readings in either direction.
- Accuracy is +/-4% of setting right hand (clockwise) and +/-6% of setting left hand (counterclockwise) within upper 80% of scale.
- Two calibration adjustments (major and fine) permit easy and precise torque settings. Most conventional torque wrenches have only one adjustment.
- Dual scale models give readings in Inch-Pounds/Newton Meters or Foot-Pounds/Newton Meters.
- Spring-loaded or Twist-locking collar locks scale on desired reading and remains in locked position. Wrench cannot be left inadvertently unlocked.
- Heavy-Duty, reversible ratchet models have quick-shift lever to allow easy single-hand shifting.
- Always store all adjustable models at their lowest torque setting.



1/4" Square Drive DESC _____

- 1050TW14I.....10-50 Inch Lbs.
- 30150TW14I..... 30-150 Inch Lbs.
- 30200TW14I..... 30-200 Inch Lbs.

3/8" Square Drive DESC _____

- 30150TW38I..... 30-150 Inch Lbs.
- 30150TW38I-K..... 30-150 Inch Lbs. in Protective Case
- 30150TW38I-NR.....30-150 Inch Lbs. with Non-Ratcheting Head
- 30200TW38I..... 30-200 Inch Lbs.
- 30200TW38I-K..... 30-200 Inch Lbs. in Protective Case
- 50250TW38I..... 50-250 Inch Lbs.
- 150750TW38I..... 150-750 Inch Lbs.
- 1575TW38F..... 15-75 Foot Lbs.
- 1575TW38F-K..... 15-75 Foot Lbs. in Protective Case
- 30150TW38F..... 30-150 Foot Lbs.

1/2" Square Drive DESC _____

- 150750TW12I..... 150-750 Inch Lbs.
- 1575TW12F..... 15-75 Foot Lbs.
- 25250TW12F..... 25-250 Foot Lbs.
- 30150TW12F..... 30-150 Foot Lbs.

30150-30200TW BOOT.... Replacement boot for 30150 and 30200



30200TW38I



25250TW12F



30150TW38I

Torque Screwdrivers



236TSDK

- Precision micrometer scale calibrated in Inch-Pounds, increments 1 inch-lbs.
- Easy-release bit holders featuring 1/4" female hex drive securely retain bits during operation while permitting easy removal.
- Anti-backlash design for repeatability.
- Meets or exceeds ASME B107.14M and ISO 6789 specifications.
- Adjustable model accuracy is +/-6 of setting, starting at 20% of full scale. Right hand (clockwise) only.



PN _____ DESC _____

- 236TSD.....2-36 Inch Lbs.
- 236TSDK.....2-36 Inch Lbs. in Protective Case
- 236TSD140.....2-36 Inch Lbs. 1/4" Square Drive

235TSD BOOT... 236TSD Replacement Boot

Ratchets: Square Drive Lever Control

Premium quality ratchets with a secret weapon. The Cementex "X-Drive" System available on our 3/8" and 1/2" square drive ratchets extends the drive of these ratchets to allow for direct connection of Insulated Sockets; eliminating the requirement of an extension bar, and allowing access to tight places. The large lever control makes adjustments easy even while wearing insulating gloves.

PN	DESC
IR14-LC.....	1/4"
IR38-LC.....	3/8"
IR38-LC-SD.....	3/8" ShortDrive
IR38-LCS.....	3/8" Stubby
IR38-516H.....	3/8" with 5/16" Hex
IR12-LC.....	1/2"
IR12-LCS.....	1/2" Stubby
IR34-LC.....	3/4"



**IR38-LC
and
IR38-LCS**

IB38-8F



PN	1/4" Drive
IB14-2.....	2"
IB14-3.....	3"
IB14-6.....	6"
IB14-10.....	10"
IB14-14.....	14"

**all 1/4" SqDr extensions are flared as shown*

PN	1/2" Drive
IB12-2.....	2"
IB12-2F...	2" Flared
IB12-3.....	3"
FX12-3....	3" Fiberglass
IB12-5.....	5"
IB12-5F...	5" Flared
FX12-5....	5" Fiberglass
FX12-6....	6" Fiberglass
FX12-8....	8" Fiberglass
IB12-10....	10"
IB12-10F..	10" Flared
FX12-12...	12" Fiberglass
IB12014...	14"
FX12-14...	14" Fiberglass
IB12-20...	20"
FX12-20..	20" Fiberglass
FX12-24..	24" Fiberglass
FX12-30..	30" Fiberglass

Hex Extension

PN	1/2" Drive
FX12-1224H..	12" 3/4" Hex

PN	3/8" Drive
IB38-1.....	1"
IB38-1.5.....	1-1/2"
IB38-3.....	3"
IB38-3F.....	3" Flared
FX38-3.....	3" Fiberglass
IB38-5.....	5"
IB38-6.....	6"
IB38-6F.....	6" Flared
IB38-6-MAG..	6" With Magnet
IB38-6W.....	6" Wobble
FX38-6.....	6" Fiberglass
FX38-7.....	7" Fiberglass
IB38-8.....	8"
IB38-8F.....	8" Flexible
IB38-8W.....	8" Wobble
FX38-8.....	8" Fiberglass
IB38-10.....	10"
IB38-12.....	12"
IB38-12F.....	12" Flared
FX38-12.....	12" Fiberglass
IB38-20.....	20"
IB38-20F.....	20" Flared

PN	3/4" Drive
FX34-6...	6" Fiberglass

No Shortage of options here: Flared, Fiberglass, Flexible, Magnetized, Wobble. With Cementex Extension Bars your never out of reach. Don't see what your looking for? Let us know. Custom lengths and configurations available.



IB14-5F

IB38-3F

IB38-5

FX12-12

Wobble Extension Bars

Ratchets & Extensions

RATED 1000 VAC / 1500 VDC Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Socket Adapters



PN	DESC
14F38M.....	1/4" Female - 3/8" Male
14F38M W/W.....	1/4" Female - 3/8" Male with Washer
38F14M.....	3/8" Female - 1/4" Male
38F14M W/W.....	3/8" Female - 1/4" Male with Washer
38F14M-6.....	3/8" Female - 1/4" Male 6" Length
38F12M.....	3/8" Female - 1/2" Male
38F12M W/W.....	3/8" Female - 1/2" Male with Washer
12F38M.....	1/2" Female - 3/8" Male
12F38M W/BOOT....	1/2" Female - 3/8" Male with Boot
12F38ML.....	1/2" Female - 3/8" Male Extender
12F34M.....	1/2" Female - 3/4" Male
34F12M.....	3/4" Female - 2-1/4" Male



Penta

5 Point 1000V rated sockets.
Additional sizes available upon request.



SIZE	3/8" Drive STD WALL	1/2" Drive STD WALL
13/16"	IS38-26 PENTA	IS12-26 PENTA

Impact

Sockets are manufactured with extra-thick sidewalls to withstand heavy impact and extreme torque.



SIZE	3/8" Drive 6 Point DEEP WALL	1/2" Drive 6 Point STD WALL
1/2"	IS38-16L-IMPACT	IS12-16L-IMPACT
1-1/2"	IS38-48L-IMPACT	IS12-48L-IMPACT
1-9/16"	IS38-50L-IMPACT	IS12-50L-IMPACT
1-5/8"	IS38-52L-IMPACT	IS12-52L-IMPACT
1-11/16"	IS38-54L-IMPACT	IS12-54L-IMPACT
1-5/8"	IS38-56L-IMPACT	IS12-56L-IMPACT

RATED 1000 VAC / 1500 VDC
Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Cementex offers 1,000 Volt Rated Insulated Sockets for use with insulated tools including; Ratchets, Torque Wrenches, Extensions Bars, T-Handled Square Drives, Breaker Bars, etc.

With a quality and selection that is unmatched in the market place, we go the extra mile by utilizing our unique coating technique. This method allows the socket to be shaped in a way that allows maximum access to the tightest of places while providing the highest level of protection.

Flush Connect: a socket without the standard "Boot" that is the incorporated into most Cementex sockets. This "Boot" serves to provide coverage protection to socket / ratchet / extension bar connection points. "Flush Connect" sockets are designed for use with Cementex Non-"X-Drive" and "X-Drive" Ratchets as well as other manufacturer's Non-"X-Drive" ratchets. "Flush Connect" Sockets, when used with an extension bar, should utilize a "Flared" extension bar.

1/4" Square Drive: SAE



SIZE	STANDARD WALL	STANDARD WALL FLUSH CONNECT	DEEP WALL
5/32"	IS14-05	IS14-05 WO	IS14-05L
3/16"	IS14-06	IS14-06 WO	IS14-06L
7/32"	IS14-07	IS14-07 WO	IS14-07L
1/4"	IS14-08	IS14-08 WO	IS14-08L
9/32"	IS14-09	IS14-09 WO	IS14-09L
5/16"	IS14-10	IS14-10 WO	IS14-10L
11/32"	IS14-11	IS14-11 WO	IS14-11L
3/8"	IS14-12	IS14-12 WO	IS14-12L
7/16"	IS14-14	IS14-14 WO	IS14-14L
1/2"	IS14-16	IS14-16 WO	IS14-16L
9/16"	IS14-18	IS14-18 WO	IS14-18L



1/4" Square Drive: Metric

SIZE	STANDARD WALL	DEEP WALL
4mm	IS14-04M	IS14-04ML
4.5mm	IS14-4.5M	IS14-4.5ML
5mm	IS14-05M	IS14-05ML
5.5mm	IS14-05.5M	IS14-05.5ML
6mm	IS14-06M	IS14-06ML
7mm	IS14-07M	IS14-07ML
8mm	IS14-08M	IS14-08ML
9mm	IS14-09M	IS14-09ML
10mm	IS14-10M	IS14-10ML
11mm	IS14-11M	IS14-11ML
12mm	IS14-12M	IS14-12ML
13mm	IS14-13M	IS14-13ML
14mm	IS14-14M	IS14-14ML
15mm	IS14-15M	IS14-15ML
16mm	IS14-16M	IS14-15ML



RATED 1000 VAC / 1500 VDC Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

3/8" Square Drive: SAE



Sockets



6 Point



SIZE	STANDARD WALL			DEEP WALL
	STD WALL	FLUSH CONNECT	DEEP WALL	FLUSH CONNECT
3/16"	IS38-06 6PT	IS38-06 6PT WO	IS38-06L 6PT	IS38-06L 6PT WO
1/4"	IS38-08 6PT	IS38-08 6PT WO	IS38-08L 6PT	IS38-08L 6PT WO
5/16"	IS38-10 6PT	IS38-10 6PT WO	IS38-10L 6PT	IS38-10L 6PT WO
3/8"	IS38-12 6PT	IS38-12 6PT WO	IS38-12L 6PT	IS38-12L 6PT WO
7/16"	IS38-14 6PT	IS38-14 6PT WO	IS38-14L 6PT	IS38-14L 6PT WO
1/2"	IS38-16 6PT	IS38-16 6PT WO	IS38-16L 6PT	IS38-16L 6PTWO
9/16"	IS38-18 6PT	IS38-18 6PT WO	IS38-18L 6PT	IS38-18L 6PT WO
5/8"	IS38-20 6PT	IS38-20 6PT WO	IS38-20L 6PT	IS38-20L 6PT WO
11/16"	IS38- 22 6PT	IS38-22 6PT WO	IS38-22L 6PT	IS38-22L 6PT WO
3/4"	IS38-24 6PT	IS38-24 6PT WO	IS38-24L 6PT	IS38-24L 6PT WO
13/16"	IS38-26 6PT	IS38-26 6PT WO	IS38-26L 6PT	IS38-26L 6PT WO
7/8"	IS38-28 6PT	IS38-28 6PT WO	IS38-28L 6PT	IS38-28L 6PT WO
15/16"	IS38-30 6PT	IS38-30 6PT WO	IS38-30L 6PT	IS38-30L 6PT WO
1"	IS38-32 6PT	IS38-32 6PT WO	IS38-32L 6PT	IS38-32L 6PT WO

12 Point



SIZE	STANDARD WALL			DEEP WALL
	STD WALL	FLUSH CONNECT	DEEP WALL	FLUSH CONNECT
1/4"	IS38-08	IS38-08 12PT WO	IS38-08L	IS38-08L 12PT WO
9/32"	IS38-09	IS38-09 12PT WO	IS38-09L	IS38-09L 12PT WO
5/16"	IS38-10	IS38-10 12PT WO	IS38-10L	IS38-10L 12PT WO
11/32"	IS38-11	IS38-11 12PT WO	IS38-11L	IS38-11L 12PT WO
3/8"	IS38-12	IS38-12 12PT WO	IS38-12L	IS38-12L 12PT WO
7/16"	IS38-14	IS38-14 12PT WO	IS38-14L	IS38-14L 12PT WO
1/2"	IS38-16	IS38-16 12PT WO	IS38-16L	IS38-16L 12PT WO
9/16"	IS38-18	IS38-18 12PT WO	IS38-18L	IS38-18L 12PT WO
5/8"	IS38-20	IS38-20 12PT WO	IS38-20L	IS38-20L 12PT WO
11/16"	IS38-22	IS38- 22 12PT WO	IS38-22L	IS38-22L 12PT WO
3/4"	IS38-24	IS38-24 12PT WO	IS38-24L	IS38-24L 12PT WO
13/16"	IS38-26	IS38-26 12PT WO	IS38-26L	IS38-26L 12PT WO
7/8"	IS38-28	IS38-28 12PT WO	IS38-28L	IS38-28L 12PT WO
15/16"	IS38-30	IS38-30 12PT WO	IS38-30L	IS38-30L 12PT WO
1"	IS38-32	IS38-32 12PT WO	IS38-32L	IS38-32L 12PT WO
1-1/16"	IS38-34	IS38-34 12PT WO	IS38-34L	IS38-34L 12PT WO
1-1/8"	IS38-36	IS38-36 12PT WO	IS38-36L	IS38-36L 12PT WO

RATED 1000 VAC / 1500 VDC
Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

3/8" Square Drive: Metric



Sockets

6 Point

SIZE	STANDARD WALL		
	STD WALL	FLUSH CONNECT	DEEP WALL
5mm	IS38-05M 6PT	IS38-05MM 6PT WO	IS38-05ML 6PT
6mm	IS38-06M 6PT	IS38-06MM 6PT WO	IS38-06ML 6PT
7mm	IS38-07M 6PT	IS38-07MM 6PT WO	IS38-07ML 6PT
8mm	IS38-08M 6PT	IS38-08MM 6PT WO	IS38-08ML 6PT
9mm	IS38-09M 6PT	IS38-09MM 6PT WO	IS38-09ML 6PT
10mm	IS38-10M 6PT	IS38-10MM 6PT WO	IS38-10ML 6PT
11mm	IS38-11M 6PT	IS38-11MM 6PT WO	IS38-11ML 6PT
12mm	IS38-12M 6PT	IS38-12MM 6PT WO	IS38-12ML 6PT
13mm	IS38-13M 6PT	IS38-13MM 6PT WO	IS38-13ML 6PT
14mm	IS38-14M 6PT	IS38-14MM 6PT WO	IS38-14ML 6PT
15mm	IS38-15M 6PT	IS38-15MM 6PT WO	IS38-15ML 6PT
16mm	IS38-16M 6PT	IS38-16MM 6PT WO	IS38-16ML 6PT
17mm	IS38-17M 6PT	IS38-17MM 6PT WO	IS38-17ML 6PT
18mm	IS38-18M 6PT	IS38-18MM 6PT WO	IS38-18ML 6PT
19mm	IS38-19M 6PT	IS38-19MM 6PT WO	IS38-19ML 6PT
20mm	IS38-20M 6PT	IS38-20MM 6PT WO	IS38-20ML 6PT
21mm	IS38-21M 6PT	IS38-21MM 6PT WO	IS38-21ML 6PT
22mm	IS38-22M 6PT	IS38-22MM 6PT WO	IS38-22ML 6PT



12 Point

SIZE	STANDARD WALL		DEEP WALL	
	STD WALL	FLUSH CONNECT	DEEP WALL	FLUSH CONNECT
5mm	IS38-05M	IS38-05MM 12PT WO	IS38-05ML	IS38-05ML 12PT WO
6mm	IS38-06M	IS38-06MM 12PT WO	IS38-06ML	IS38-06ML 12PT WO
7mm	IS38-07M	IS38-07MM 12PT WO	IS38-07ML	IS38-07ML 12PT WO
8mm	IS38-08M	IS38-08MM 12PT WO	IS38-08ML	IS38-08ML 12PT WO
9mm	IS38-09M	IS38-09MM 12PT WO	IS38-09ML	IS38-09ML 12PT WO
10mm	IS38-10M	IS38-10MM 12PT WO	IS38-10ML	IS38-10ML 12PT WO
11mm	IS38-11M	IS38-11MM 12PT WO	IS38-11ML	IS38-11ML 12PT WO
12mm	IS38-12M	IS38-12MM 12PT WO	IS38-12ML	IS38-12ML 12PT WO
13mm	IS38-13M	IS38-13MM 12PT WO	IS38-13ML	IS38-13ML 12PT WO
14mm	IS38-14M	IS38-14MM 12PT WO	IS38-14ML	IS38-14ML 12PT WO
15mm	IS38-15M	IS38-15MM 12PT WO	IS38-15ML	IS38-15ML 12PT WO
16mm	IS38-16M	IS38-16MM 12PT WO	IS38-16ML	IS38-16ML 12PT WO
17mm	IS38-17M	IS38-17MM 12PT WO	IS38-17ML	IS38-17ML 12PT WO
18mm	IS38-18M	IS38-18MM 12PT WO	IS38-18ML	IS38-18ML 12PT WO
19mm	IS38-19M	IS38-19MM 12PT WO	IS38-19ML	IS38-19ML 12PT WO
20mm	IS38-20M	IS38-20MM 12PT WO	IS38-20ML	IS38-20ML 12PT WO
21mm	IS38-21M	IS38-21MM 12PT WO	IS38-21ML	IS38-21ML 12PT WO
22mm	IS38-22M	IS38-22MM 12PT WO	IS38-22ML	IS38-22ML 12PT WO
23mm	IS38-23M	IS38-23MM 12PT WO	IS38-23ML	IS38-23ML 12PT WO
24mm	IS38-24M	IS38-24MM 12PT WO	IS38-24ML	IS38-24ML 12PT WO
25mm	IS38-25M	IS38-25MM 12PT WO	IS38-25ML	IS38-25ML 12PT WO
26mm	IS38-26M	IS38-26MM 12PT WO	IS38-26ML	IS38-26ML 12PT WO


RATED
 1000 VAC / 1500 VDC Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

1/2" Square Drive: SAE



6 Point

Sockets



SIZE	STANDARD WALL		DEEP WALL	
	STD WALL	FLUSH CONNECT	DEEP WALL	FLUSH CONNECT
3/8"	IS12-12 6PT	IS12-12 6PT WO	IS12-12L 6PT	IS12-12L 6PT WO
7/16"	IS12-14 6PT	IS12-14 6PT WO	IS12-14L 6PT	IS12-14L 6PT WO
1/2"	IS12-16 6PT	IS12-16 6PT WO	IS12-16L 6PT	IS12-16L 6PT WO
9/16"	IS12-18 6PT	IS12-18 6PT WO	IS12-18L 6PT	IS12-18L 6PT WO
5/8"	IS12-20 6PT	IS12-20 6PT WO	IS12-20L 6PT	IS12-20L 6PT WO
11/16"	IS12-22 6PT	IS12-22 6PT WO	IS12-22L 6PT	IS12-22L 6PT WO
3/4"	IS12-24 6PT	IS12-24 6PT WO	IS12-24L 6PT	IS12-24L 6PT WO
13/16"	IS12-26 6PT	IS12-26 6PT WO	IS12-26L 6PT	IS12-26L 6PT WO
7/8"	IS12-28 6PT	IS12-28 6PT WO	IS12-28L 6PT	IS12-28L 6PT WO
15/16"	IS12-30 6PT	IS12-30 6PT WO	IS12-30L 6PT	IS12-30L 6PT WO
1"	IS12-32 6PT	IS12-32 6PT WO	IS12-32L 6PT	IS12-32L 6PT WO
1-1/16"	IS12-34 6PT	IS12-34 6PT WO	IS12-34L 6PT	IS12-34L 6PT WO
1-1/8"	IS12-36 6PT	IS12-36 6PT WO	IS12-36L 6PT	IS12-36L 6PT WO
1-3/16"	IS12-38 6PT	IS12-38 6PT WO	IS12-38L 6PT	IS12-38L 6PT WO
1-1/4"	IS12-40 6PT	IS12-40 6PT WO	IS12-40L 6PT	IS12-40L 6PT WO
1-5/16"	IS12-42 6PT	IS12-42 6PT WO	IS12-42L 6PT	IS12-42L 6PT WO
1-3/8"	IS12-44 6PT	IS12-44 6PT WO	IS12-44L 6PT	IS12-44L 6PT WO
1-7/16"	IS12-46 6PT	IS12-46 6PT WO	IS12-46L 6PT	IS12-46L 6PT WO
1-1/2"	IS12-48 6PT	IS12-48 6PT WO	IS12-48L 6PT	IS12-48L 6PT WO
1-9/16"	IS12-50 6PT	IS12-50 6PT WO	IS12-50L 6PT	IS12-50L 6PT WO

12 Point

SIZE	STANDARD WALL		DEEP WALL	
	STD WALL	FLUSH CONNECT	DEEP WALL	FLUSH CONNECT
1/4"	IS12-08	IS12-08 12PT WO	IS12-08L	IS12-08L 12PT WO
5/16"	IS12-10	IS12-10 12PT WO	IS12-10L	IS12-10L 12PT WO
3/8"	IS12-12	IS12-12 12PT WO	IS12-12L	IS12-12L 12PT WO
7/16"	IS12-14	IS12-14 12PT WO	IS12-14L	IS12-14L 12PT WO
1/2"	IS12-16	IS12-16 12PT WO	IS12-16L	IS12-16L 12PT WO
9/16"	IS12-18	IS12-18 12PT WO	IS12-18L	IS12-18L 12PT WO
5/8"	IS12-20	IS12-20 12PT WO	IS12-20L	IS12-20L 12PT WO
11/16"	IS12-22	IS12-22 12PT WO	IS12-22L	IS12-22L 12PT WO
3/4"	IS12-24	IS12-24 12PT WO	IS12-24L	IS12-24L 12PT WO
13/16"	IS12-26	IS12-26 12PT WO	IS12-26L	IS12-26L 12PT WO
7/8"	IS12-28	IS12-28 12PT WO	IS12-28L	IS12-28L 12PT WO
15/16"	IS12-30	IS12-30 12PT WO	IS12-30L	IS12-30L 12PT WO
1"	IS12-32	IS12-32 12PT WO	IS12-32L	IS12-32L 12PT WO
1-1/16"	IS12-34	IS12-34 12PT WO	IS12-34L	IS12-34L 12PT WO
1-2/8"	IS12-36	IS12-36 12PT WO	IS12-36L	IS12-36L 12PT WO
1-3/16"	IS12-38	IS12-38 12PT WO	IS12-38L	IS12-38L 12PT WO
1-1/4"	IS12-40	IS12-40 12PT WO	IS12-40L	IS12-40L 12PT WO
1-5/16"	IS12-42	IS12-42 12PT WO	IS12-42L	IS12-42L 12PT WO
1-3/8"	IS12-44	IS12-44 12PT WO	IS12-44L	IS12-44L 12PT WO
1-7/16"	IS12-46	IS12-46 12PT WO	IS12-46L	IS12-46L 12PT WO
1-1/2"	IS12-48	IS12-48 12PT WO	IS12-48L	IS12-48L 12PT WO
1-9/16"	IS12-50	IS12-50 12PT WO	IS12-50L	IS12-50L 12PT WO
1-5/8"	IS12-52	IS12-52 12PT WO	IS12-52L	IS12-52L 12PT WO
1-11/16"	IS12-54	IS12-54 12PT WO	IS12-54L	IS12-54L 12PT WO
1-3/4"	IS12-56	IS12-56 12PT WO	IS12-56L	IS12-56L 12PT WO

RATED 10,000 VAC / 1500 VDC
Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

1/2" Square Drive: Metric



6 Point

<u>SIZE</u>	<u>STD WALL</u>	<u>DEEP WALL</u>
7mm	IS12-7M 6PT	IS12-7ML 6PT
8mm	IS12-8M 6PT	IS12-8ML 6PT
9mm	IS12-9M 6PT	IS12-9ML 6PT
10mm	IS12-10M 6PT	IS12-10ML 6PT
11mm	IS12-11M 6PT	IS12-11ML 6PT
12mm	IS12-12M 6PT	IS12-12ML 6PT
13mm	IS12-13M 6PT	IS12-13ML 6PT
14mm	IS12-14M 6PT	IS12-14ML 6PT
15mm	IS12-15M 6PT	IS12-15ML 6PT
16mm	IS12-16M 6PT	IS12-16ML 6PT
17mm	IS12-17M 6PT	IS12-17ML 6PT
18mm	IS12-18M 6PT	IS12-18ML 6PT
19mm	IS12-19M 6PT	IS12-19ML 6PT
20mm	IS12-20M 6PT	IS12-20ML 6PT
21mm	IS12-21M 6PT	IS12-21ML 6PT
22mm	IS12-22M 6PT	IS12-22ML 6PT
23mm	IS12-23M 6PT	IS12-23ML 6PT
24mm	IS12-24M 6PT	IS12-24ML 6PT
25mm	IS12-25M 6PT	IS12-25ML 6PT
26mm	IS12-26M 6PT	IS12-26ML 6PT
27mm	IS12-27M 6PT	IS12-27ML 6PT
28mm	IS12-28M 6PT	IS12-28ML 6PT
29mm	IS12-29M 6PT	IS12-29ML 6PT
30mm	IS12-30M 6PT	IS12-30ML 6PT
32mm	IS12-32M 6PT	IS12-32ML 6PT
36mm	IS12-36M 6PT	IS12-36ML 6PT



12 Point

<u>STD WALL</u>	<u>DEEP WALL</u>
IS12-07MM	IS12-07ML
IS12-08MM	IS12-08ML
IS12-09M	IS12-09ML
IS12-10M	IS12-10ML
IS12-11M	IS12-11ML
IS12-12M	IS12-12ML
IS12-13M	IS12-13ML
IS12-14M	IS12-14ML
IS12-15M	IS12-15ML
IS12-16M	IS12-16ML
IS12-17M	IS12-17ML
IS12-18M	IS12-18ML
IS12-19M	IS12-19ML
IS12-20M	IS12-20ML
IS12-21M	IS12-21ML
IS12-22M	IS12-22ML
IS12-23M	IS12-23ML
IS12-24M	IS12-24ML
IS12-25M	IS12-25ML
IS12-26M	IS12-26ML
IS12-27M	IS12-27ML
IS12-28M	IS12-28ML
IS12-29M	IS12-29ML
IS12-30M	IS12-30ML
IS12-32M	IS12-32ML
IS12-36M	



Sockets



Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Hex Bit Sockets



1/4" Square Drive

SAE

SIZE	3" LENGTH	6" LENGTH
1/8"	IH14-04	IH14-04XL
5/32"	IH14-05	IH14-05XL
3/16"	IH14-06	IH14-06XL
7/32"	IH14-07	IH14-07XL
1/4"	IH14-08	IH14-08XL
5/16"	IH14-10	IH14-10XL
3/8"	IH14-12	IH14-12XL
7/16"	IH14-14	IH14-14XL
1/2"	IH14-16	IH14-16XL

Metric

SIZE	3" LENGTH	6" LENGTH
2mm	IH14-02M	IH14-02MXL
2.5mm	IH14-2.5M	IH14-2.5MXL
3mm	IH14-03M	IH14-03MXL
4mm	IH14-04M	IH14-04MXL
5mm	IH14-05M	IH14-05MXL
6mm	IH14-06M	IH14-06MXL
7mm	IH14-07M	IH14-07MXL
8mm	IH14-08M	IH14-08MXL

3/8" Square Drive

SAE

SIZE	3" LENGTH	6" LENGTH
1/8"	IH38-04	IH38-04XL
9/64"	IH38-4.5	IH38-4.5XL
5/32"	IH38-05	IH38-05XL
3/16"	IH38-06	IH38-06XL
7/32"	IH38-07	IH38-07XL
1/4"	IH38-08	IH38-08XL
5/16"	IH38-10	IH38-10XL
3/8"	IH38-12	IH38-12XL
7/16"	IH38-14	IH38-14XL
1/2"	IH38-16	IH38-16XL
9/16"	IH38-18	IH38-18XL
5/8"	IH38-20	IH38-20XL
11/16"	IH38-22	IH38-22XL
3/4"	IH38-24	IH38-24XL
7/8"	IH38-28	IH38-28XL

Metric

SIZE	3" LENGTH	6" LENGTH
2mm	IH38-02M	IH38-02MXL
2.5mm	IH38-2.5M	IH38-2.5MXL
3mm	IH38-03M	IH38-03MXL
4mm	IH38-04M	IH38-04MXL
5mm	IH38-05M	IH38-05MXL
6mm	IH38-06M	IH38-06MXL
7mm	IH38-07M	IH38-07MXL
8mm	IH38-08M	IH38-08MXL
9mm	IH38-09M	IH38-09MXL
10mm	IH38-10M	IH38-10MXL
11mm	IH38-11M	IH38-11MXL
12mm	IH38-12M	IH38-12MXL
13mm	IH38-13M	IH38-13MXL
14mm	IH38-14M	IH38-14MXL

1/2" Square Drive

SAE

SIZE	3" LENGTH	6" LENGTH
1/4"	IH12-08	IH12-08XL
5/16"	IH12-10	IH12-10XL
3/8"	IH12-12	IH12-12XL
7/16"	IH12-14	IH12-14XL
1/2"	IH12-16	IH12-16XL
9/16"	IH12-18	IH12-18XL
5/8"	IH12-20	IH12-20XL
11/16"	IH12-22	IH12-22XL
3/4"	IH12-24	IH12-24XL

Metric

SIZE	3" LENGTH	6" LENGTH
6mm	IH12-06M	IH12-06MXL
8mm	IH12-08M	IH12-08MXL
10mm	IH12-10M	IH12-10MXL
12mm	IH12-12M	IH12-12MXL
14mm	IH12-14M	IH12-14MXL
16mm	IH12-16M	IH12-16MXL
17mm	IH12-17M	IH12-17MXL



RATED 1500 VDC

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts



Flat Tip Screw Driver Bit Sockets

1/4" Square Drive

SIZE	3" LENGTH	6" LENGTH
1/4"	IF14-140	IF14-140XL
5/16"	IF14-516	IF14-516XL
3/8"	IF14-380	IF14-380XL
1/2"	-	-

3/8" Square Drive

3" LENGTH	6" LENGTH
IF38-140	IF38-140XL
IF38-516	IF38-516XL
IF38-380	IF38-380XL
-	-

1/2" Square Drive

3" LENGTH	6" LENGTH
IF12-140L	IF12-140XL
IF12-516L	IF12-516XL
IF12-380L	IF12-380XL
IF12-120L	IF12-120XL

Phillips Tip Screw Driver Bit Sockets

1/4" Square Drive

SIZE	3" LENGTH	6" LENGTH
#1	IP14-01	IP14-01XL
#2	IP14-02	IP14-02XL
#3	IP14-03	IP14-03XL
#4	-	-

3/8" Square Drive

3" LENGTH	6" LENGTH
IP38-01	IP38-01XL
IP38-02	IP38-02XL
IP38-03	IP38-03XL
-	-

1/2" Square Drive

3" LENGTH	6" LENGTH
IP12-01L	IP12-01XL
IP12-02L	IP12-02XL
IP12-03L	IP12-03XL
IP12-04L	IP12-04XL

Torx® Bit Sockets

1/4" Square Drive

SIZE	3" LENGTH	6" LENGTH
08	IT14-T8	IT14-T8L
10	IT14-T10	IT14-T10L
15	IT14-T15	IT14-T15L
20	IT14-T20	IT14-T20L
25	IT14-T25	IT14-T25L
27	IT14-T27	IT14-T27L
30	IT14-T30	IT14-T30L
40	-	-
45	-	-
50	-	-
55	-	-

3/8" Square Drive

3" LENGTH	6" LENGTH
-	-
IT38-T10	IT38-T10XL
IT38-T15	IT38-T15XL
IT38-T20	IT38-T20XL
IT38-T25	IT38-T25XL
IT38-T27	IT38-T27XL
IT38-T30	IT38-T30XL
IT38-T40	IT38-T40XL
IT38-T45	IT38-T45XL
IT38-T50	IT38-T50XL
IT38-T55	IT38-T55XL

1/2" Square Drive

3" LENGTH	6" LENGTH
-	-
-	-
-	-
-	-
-	-
IT12-T27L	IT12-T27XL
IT12-T30L	IT12-T30XL
IT12-T40L	IT12-T40XL
IT12-T45L	IT12-T45XL
IT12-T50L	IT12-T50XL
IT12-T55L	IT12-T55XL

RATED
 1000 VAC / 1500 VDC
 Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

1/4" Square Drive Sets



Socket Sets



ISS14-13L

SAE

ISS14-9L

IR14-LC: 1/4" Square Drive Ratchet
 Extension Bars: 2", 3", 6"
 6-Point Deep Wall Sockets: 3/16", 1/4", 5/16", 3/8", 7/16"
 1/4" SqDr Skt Set Pouch

ISS14-13

IR14-LC: 1/4" Square Drive Ratchet
 Extension Bars: 3", 6"
 6-Point Standard Wall Sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
 1/4" SqDr Skt Set Pouch

ISS14-13L

IR14-LC: 1/4" Square Drive Ratchet
 Extension Bars: 3", 6"
 6-Point Deep Wall Sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
 1/4" SqDr Skt Set Pouch

ISS14-14

IR14-LC: 1/4" Square Drive Ratchet
 Extension Bars: 3", 6"
 6-Point Standard Wall Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
 1/4" SqDr Skt Set Pouch

Metric

ISS14-13M

IR14-LC: 1/4" Square Drive Ratchet
 Extension Bars: 2", 3", 6"
 6-Point Standard Wall Sockets: 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm,
 1/4" SqDr Skt Set Pouch

ISS14-13ML

IR14-LC: 1/4" Square Drive Ratchet
 Extension Bars: 2", 3", 6"
 6-Point Deep Wall Sockets: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 15mm
 1/4" SqDr Skt Set Pouch

ISS14-14M

IR14-LC: 1/4" Square Drive Ratchet
 Extension Bars: 3", 6"
 6-Point Standard Wall Sockets: 4mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm
 1/4" SqDr Skt Set Pouch



IHBS14-6

Hex Bit

IHBS14-6

3" SAE Hex Bit Sockets: 1/8", 5/32", 3/16", 7/32", 1/4", 5/16"
 Zippered Pouch



Combo

ISS14-18

IR14-LC: 1/4" Square Drive Ratchet
 Extension Bars: 2", 6"
 6-Point Standard Wall Sockets: 3/16", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
 3" SAE Hex Bit Sockets: 1/8", 5/32", 3/16", 7/32", 1/4", 5/16"
 1/4" SqDr Skt Set Pouch



ISS14-18

RATED 10,000 VAC / 1500 VDC
 Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

12 - Point Standard Wall - SAE



3/8" Square Drive Sets

ISS38-8

Extension Bars: 3"
12-Point Standard Wall Sockets: 7/16",
1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
Driver Roll Pouch 6

ISS38-812

TW38DR-12: 3/8" Drive 12" T-Handle
12-Point Standard Wall Sockets: 3/8",
1/2", 9/16", 5/8", 3/4", 7/8"
T-Handle and Bag, Long

ISS38-9

IR38-LC: 3/8" Square Drive Ratchet
12-Point Standard Wall Sockets: 3/8", 7/16",
1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
Zippered Pouch



ISS38-11

ISS38-10

12-Point Standard Wall Sockets: 5/16",
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4",
13/16", 7/8"
Zippered Pouch

ISS38-11

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Standard Wall Sockets: 3/8",
7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
Driver Roll Pouch 6

ISS38-14

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Standard Wall Sockets: 3/8",
7/16", 1/2", 9/16", 5/8", 11/16", 3/4",
13/16", 7/8", 15/16", 1"
Driver Roll Pouch 6

12 - Point Deep Wall - SAE

ISS38-11L

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Deep Wall Sockets: 3/8", 7/16",
1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
Driver Roll Pouch 6

ISS38-11L-SO

12-Point Deep Wall Sockets: 3/8", 7/16", 1/2",
9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
Driver Roll Pouch 6

ISS38-12FTW

1575TW38F: 3/8" Square Drive 15-75 Ft. Lb. Torque Wrench
Extension Bars: 3", 6"
12-Point Deep Wall Sockets: 3/8", 7/16", 1/2",
9/16", 5/8", 11/16", 3/4", 13/16"
Pocket Pouch 12

ISS38-13L

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Deep Wall Sockets: 5/16", 3/8", 7/16",
1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"
Driver Roll Pouch 6



ISS38-16L

ISS38-16L

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Deep Wall Sockets: 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"
Blow Molded Case, Small

Socket Sets

RATED 1000 VAC 1500 VDC

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

3/8" Square Drive Sets



6 - Point Deep Wall - SAE

ISS38-12L 6PT

30150TW38I: 3/8" Square Drive 30-150 Inch Lb. Torque Wrench
Extension Bars: 3"
6-Point Deep Walled Sockets: 1/4", 5/16", 3/8",
7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8"
Driver Roll Pouch 6

12 - Point Standard Wall Flush Connect - SAE

ISS38-8WO

12-Point Standard Wall Flush Connect Sockets:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
Zippered Pouch

ISS38-16 W/O

IR38-LC: 3/8" Square Drive Ratchet
Flush Connect Extension Bars: 3", 6"
12-Point Standard Wall Flush Connect Sockets: 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"

12 - Point Standard Wall - Metric



ISS38-10M

ISS38-4M

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Standard Wall Sockets:
10mm, 13mm, 17mm, 19mm

ISS38-8M

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Standard Wall Sockets:
9mm, 10mm, 11mm, 12mm, 13mm,
Driver Roll Pouch 6

ISS38-11M

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Standard Wall Sockets: 10mm, 12mm,
13mm, 14mm, 15mm, 16mm, 18mm, 19mm
Driver Roll Pouch 6

ISS38-9M

IR38-LC: 3/8" Square Drive Ratchet
12-Point Standard Wall Sockets: 10mm, 12mm,
13mm, 14mm, 15mm, 16mm, 18mm, 19mm
Driver Roll Pouch 6

ISS38-10M

12-Point Standard Wall Sockets: 10mm, 11mm, 12mm,
13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm
Zippered Pouch

ISS38-13M

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3"
12-Point Standard Wall Sockets: 10mm, 11mm, 12mm,
13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 22mm,
Driver Roll Pouch 8

Socket Sets

RATED 1500 VDC 1000 VAC

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

12 - Point Deep Wall - Metric

3/8" Square Drive Sets

ISS38-10ML

12-Point Deep Wall Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm
Driver Roll Pouch 6



ISS38-10ML

ISS38-13ML

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3"
12-Point Deep Wall Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 22mm
Driver Roll Pouch 8

ISS38-13ML SO

12-Point Deep Wall Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm
Driver Roll Pouch 6

ISS38-14ML

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Deep Wall Sockets: 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm
Driver Roll Pouch 6

ISS38-15ML

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Deep Wall Sockets: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm
Driver Roll Pouch 6

ISS38-19M

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point Deep Wall Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm
Driver Roll Pouch 6

6 - Point Standard Wall - Metric

6 - Point Deep Wall - Metric

ISS38-16M

6-Point Standard Wall Sockets: 17mm, 18mm, 19mm, 20mm, 21mm, 22mm
Zippered Pouch

ISS38-19M 6PT

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
6-Point Standard Wall Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm
Driver Roll Pouch 6

ISS38-3ML

6-Point Deep Wall Sockets: 6mm, 7mm, 8mm
Zippered Pouch

ISS38-11ML

6-Point Deep Wall Sockets: 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm
Zippered Pouch

12 - Point Standard Wall Flush Connect - Metric

ISS38-16M WO

IR38-LC-SD: 3/8" Square Drive Short Drive Ratchet
Flush Connect Extension Bars: 3", 6"
12-Point Standard Wall Flush Connect Sockets: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm
Snap Closure Case 601, 14" X 6-1/4" X 2-1/2"

3/8" Square Drive Hex Bit Socket Sets



ISHS38-5

6" Length

IHBS38-7XL

6" Hex Bit Sockets: 1/8", 3/16",
1/4", 5/16", 3/8", 7/16", 1/2"
Zippered Pouch

IHBS38-9XL

6" Hex Bit Sockets: 1/8", 5/32", 3/16",
7/32", 1/4", 5/16", 3/8", 7/16", 1/2"
Zippered Pouch

SAE 3" Length

IHBS38-4

3" Hex Bit Sockets: 1/4", 5/16", 3/8", 7/16"
Zippered Pouch

ISHS38-5

IR38-LC: 3/8" Square Drive Ratchet
3" Hex Bit Sockets: 3/16", 1/4", 5/16", 3/8"
Zippered Pouch

IHBS38-7

3" Hex Bit Sockets: 1/8", 3/16",
1/4", 5/16", 3/8", 7/16", 1/2"
Zippered Pouch

IHBS38-9

3" Hex Bit Sockets: 1/8", 5/32", 3/16",
7/32", 1/4", 5/16", 3/8", 7/16", 1/2"
Zippered Pouch

IHBS38-13

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
3" Hex Bit Sockets: 1/8", 9/64", 5/32",
3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2"
Pocket Pouch 8

Torque

IHSS38-7TW

Torque Wrench:
3/8" Square Drive 30-150 Inch Lbs
3" Hex Bit Sockets: 5/16", 3/8", 7/16"
6" Hex Bit Sockets: 5/16", 3/8", 7/16"
Zippered Pouch

Metric

IHBS38-8M

3" Hex Bit Sockets: 6mm, 7mm,
8mm, 9mm, 10mm, 11mm, 12mm, 14mm
Zippered Pouch

IHBS38-9M

3" Hex Bit Sockets: 2mm, 2.5mm, 3mm,
4mm, 5mm, 6mm, 7mm, 8mm, 9mm
Zippered Pouch

Combo

ISHS-20L

IR38-LC-SD: 3/8" Square Drive, Short Drive Ratchet
Flush Connect Extension Bars: 3", 6"
3" Hex Bit Sockets: 1/8", 5/32",
3/16", 7/32", 1/4", 5/16", 3/8",
12-Point Deep Wall Flush Connect SAE Sockets: 3/8"
7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"
Blow Molded Case, Small

*also available with all 6 Point Sockets (ISHS-20L 6PT)

ISHS-30L

IR38-LC-SD: 3/8" Square Drive, Short Drive Ratchet
Flush Connect Extension Bars: 3", 6"
3" Hex Bit Sockets: 1/8", 5/32",
3/16", 7/32", 1/4", 5/16", 3/8",
12-Point Standard Wall Flush Connect SAE Sockets: 3/8"
7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"
12-Point Deep Wall Flush Connect SAE Sockets: 3/8"
7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"
Snap Closure Case 701, 17-1/2" X 7-3/4" X 2-1/2"
*also available with all 6 Point Sockets (ISHS-30L 6PT)



ISHS-30L



SAE

ISS12-11L-SO

12-Point Deep Walled Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
Driver Roll Pouch 6

ISS12-12

IR12-LC: 1/2" Square Drive Ratchet
Extension Bars: 5", 10"
12-Point Standard Wall Sockets: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
Driver Roll Pouch 6

Flush Connect

ISS12-21 W/O

IR12-LC: 1/2" Square Drive Ratchet
Flush Connect Extension Bars: 5"
12-Point Standard Wall Flush Connect Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 1", 1-1/16", 1-1/8", 1-5/16", 1-3/8", 1-7/16", 1-1/2"
12-Point Deep Wall Flush Connect Sockets: 7/8", 15/16", 1-1/36", 1-1/4"
Snap Closure Case 701, 17-1/2" X 7-3/4" X 2-1/2"

Metric

ISS12-12M

IR12-LC: 1/2" Square Drive Ratchet
Extension Bars: 5", 10"
12-Point Standard Wall Sockets: 12mm, 14mm, 16mm, 18mm, 19mm, 21mm, 22mm, 24mm, 25mm
Pocket Pouch 12

Hex Bit

IHBS12-6

3" Hex Bit Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16"

IHBS12-9

3" Hex Bit Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
Driver Roll Pouch 6

Combo

ISHC12-17M

-Metric

IR12-LC: 1/2" Square Drive Ratchet
TW12-DR: 1/2" Square Drive T-Handle Wrench
Extension Bars: 5"
3" Hex Bit Sockets: 8mm, 10mm, 12mm, 14mm, 17mm
12-Point Standard Wall Sockets: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm
20" Tool Box

ISHS12-25M

IR12-LC: 1/2" Square Drive Ratchet
TW12-DR: 1/2" Square Drive T-Handle Wrench
Extension Bars: 5"
3" Hex Bit Sockets: 6mm, 8mm, 10mm, 12mm, 14mm, 16mm, 17mm, 20mm
12-Point Standard Wall Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 16mm, 17mm, 19mm, 21mm, 22mm, 24mm, 25mm, 27mm, 28mm
20" Tool Box - Driver Roll Pouch 6 - Zippered Pouch

1/2" Square Drive Sets



ISS12-12L

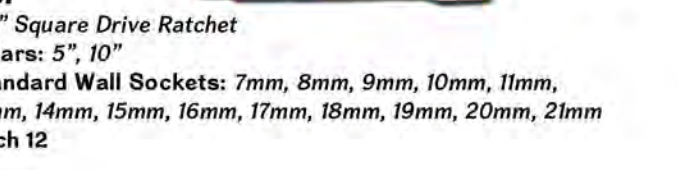
IR12-LC: 1/2" Square Drive Ratchet
Extension Bars: 5", 10"
12-Point Deep Walled Sockets: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
Pocket Pouch 12



ISS12-12

ISS12-18M

IR12-LC: 1/2" Square Drive Ratchet
Extension Bars: 5", 10"
12-Point Standard Wall Sockets: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm
Pocket Pouch 12



ISHS12-13 -SAE

Extension Bars: 5"
3" Hex Bit Sockets: 5/16", 3/8", 7/16", 1/2"
12-Point Standard Wall Sockets: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"
Snap Closure Case 601, 14" X 6-1/4" X 2-1/2"

ISHS-25

IR12-LC: 1/2" Square Drive Ratchet
TW12-DR: 1/2" Square Drive T-Handle Wrench
Extension Bars: 5"
3" Hex Bit Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"
12-Point Standard Wall Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
20" Tool Box

Flashlights

Specialty



FLED-7I



- | PN | DESC |
|--------------|--|
| FLAA-5I..... | Thin Mini Voltage Rated Flashlight |
| FLAA-6I..... | Mini Voltage Rated Flashlight |
| FLED-7I..... | LED Mini Voltage Rated Flashlight |
| FLF-18I..... | LED Mini Voltage Rated Flashlight with 18" Flexible Wand |
| FL-O..... | Micro Flashlight with non-metallic case (Orange) |



FLAA-6I

Inspection Mirrors



IM-325I



IMR-225I

- | PN | DESC |
|-----------------|---|
| IM-225I..... | 2-1/4" Round Inspection Mirror |
| IM-325I..... | 3-1/4" Round Inspection Mirror |
| IM-325I-F..... | 3-1/4" Round Inspection Mirror with Flexible Handle |
| IM-225I-RM..... | 2-1/4" Round Replacement Mirror |
| IM-325I-RM..... | 3-1/4" Round Replacement Mirror |
| IMO-2I..... | 2" Oval Inspection Mirror |
| IMO-2I-RM..... | 2" Oval Replacement Mirror |
| IMR-225I..... | 2-1/4" Rectangular Inspection Mirror |
| IMR-225I-RM... | 2-1/4" Rectangular Replacement Mirror |

Magnetic Retrieving Tools



MRT-18

- | PN | DESC |
|-----------|---|
| MRT-18... | 18" Magnetic Retrieving Tool with 18" Flexible Wand |

Fuse Pullers



PFP-1

- | PN | DESC |
|-------------|--------------------------------------|
| PFP-0..... | 5" Fuse Puller (without Guards) |
| PFP-0G..... | 7-1/4" Fuse Puller with Guards |
| PFP-1..... | 7-1/2" Fuse Puller (without Guards) |
| PFP-2G..... | 5" Fuse Puller with Guards |
| PFP-3..... | 11-3/4" Fuse Puller (without Guards) |

RATED 1000 VAC / 1500 VDC
Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Tubing Cutters

PN _____ DESC _____
 TC-150....1-1/2" Capacity Tubing Cutter



Hack Saws

PN _____ DESC _____
 HS15-1701..3-1/2" Cutting Depth Hack Saw
 HS520-I....5-1/2" Cutting Depth Hack Saw



Measuring Tape

PN _____ DESC _____
 CTM-33.... 33' Fully Non-Conductive
 Fiberglass Measuring Tape



Hooks and Probes



PN _____ DESC _____
 IBP-7..... Hook Pick
 ICP-7..... Complex Pick
 INP-7..... 90 Degree Pick
 ISP-7..... Straight Pick
 HNP100-4.... 4Pc Hook and Probe Set



Scratch Awls

PN _____ DESC _____
 SA-35I.... 3-1/2" Shank Cushion Grip Scratch Awl
 SA-6IL.... 6" Shank Cushion Grip Scratch Awl

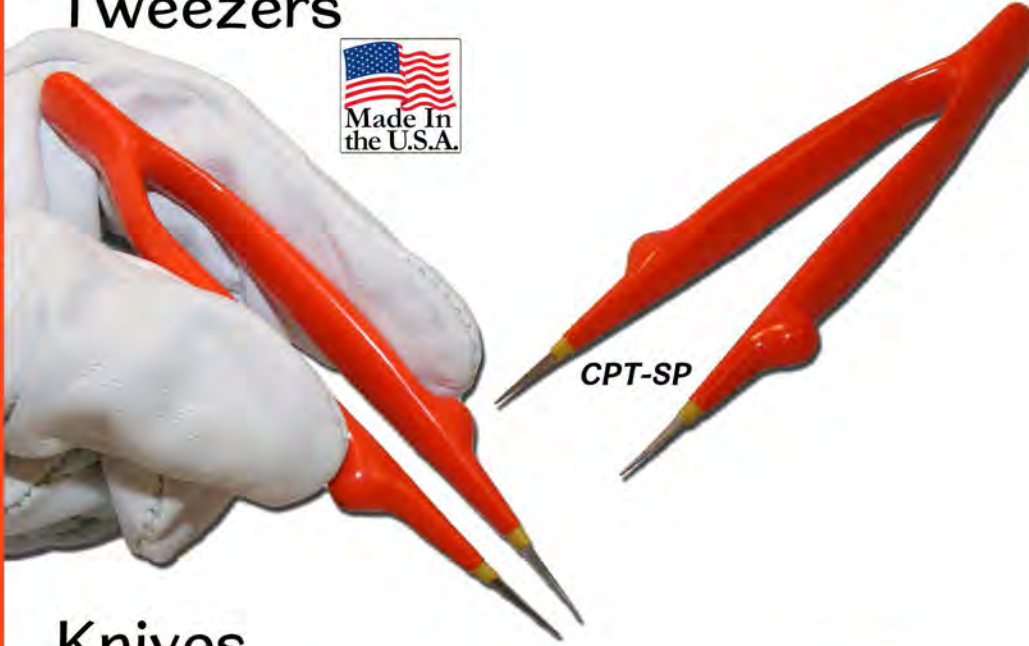


Cable Scoring Tools

PN _____ DESC _____
 CPR900.... 9" Cable Scoring Plier



Tweezers



- | PN | DESC |
|-------------|------------------------|
| TZ5NT..... | 5" Needle Tip |
| TZ5WT..... | 5" Wide Tip |
| TZ6NT..... | 6" Narrow Tip |
| TZ6NT45.. | 6" Bent Nose |
| TZ6-SNT... | 6" Straight Narrow Tip |
| CPT-CP..... | 6-7/8" Curved |
| CPT-RP..... | 6" Round Point |
| CPT-SP..... | 7" Straight |

Knives



- | PN | DESC |
|-------------|------------------------------|
| IEK10..... | Electrician's Knife with Cap |
| IEK20..... | 9" Linesman's Knife |
| CSK-10*.... | 10" Skinning Knife |
- * NOT A VOLTAGE RATED TOOL



Secure-A-Tool Lanyards

Like a fall harness for your tools. For those occasions when an accidental tool drop is not an option. Secure-A-Tool lanyards work in conjunction with equipped hand tools (with Loop); providing a secure leash between you and your tool.



- | PN | DESC |
|---------------|--|
| CPSTL-100.... | 10" Secure-A-Tool Lanyard |
| CPSTL-105.... | 10" Secure-A-Tool Lanyard with Elastic Strap |
| CPSTL-10W... | Lanyard Wrist Strap |

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts



Meter Popper

PN _____ DESC _____

CMP-10..... 10" Length



Valve Shroud Removal Tool

PN _____ DESC _____

IVSRT-1..... Valve Shroud Remover



IVSRT-1

Jumper Wrench

PN _____ DESC _____

JW200.....Jumper Wrench



Seal Breaker

PN _____ DESC _____

SB1-1.....Seal Breaker



Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts



TR-8BEK

TR-8BEK

Pliers: 9" Linesman's, 9" Cable Cutter
7-3/4" High Leverage, 8" Chain Nose
7-5/8" Solid Wire Stripper
Screwdrivers: 1/4" X 4-1/2" Mechanics Tip
3/16" X 6" Cabinet Tip, #2 X 4" Phillips Tip
Zippered Soft Case 8



TR-8BEK-CA

TR8-BEK with alternate Screwdriver mix
Screwdrivers:
3/16" X 4-1/2", 1/4" X 6" Cabinet Tip
#2 X 4" Robertson Tip
Zippered Soft Case 8



TR-8PCSK

Pliers: 9" Linesman's, 7" Diagonal Cut
6" Chain Nose, 10" Crimping, 7" Plastic,
9-1/2" Wire Stripper with Crimper,
8" Plastic Fuse Puller
Tool Roll Pouch 8



TR-8HH



TR-8HH

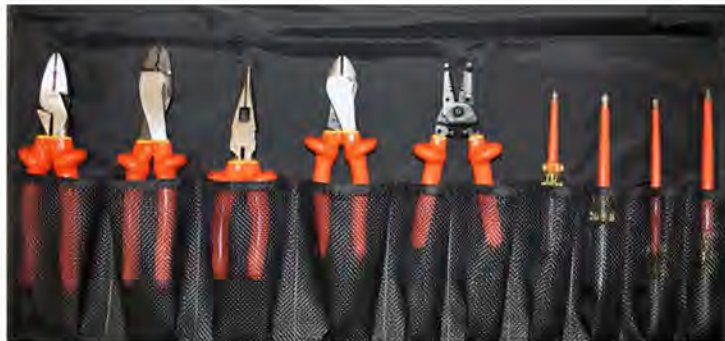
Pliers: 10" Water Pump,
9" Cable Cutter
Ratcheting Box End Wrenches:
8mm, 10mm, 13mm
Nut Drivers: 10mm X 3"
Screwdrivers:
5/16" X 6" Mechanics Tip
#2 X 4" Phillips Tip
Driver Roll Pouch 6

TR-8PCBK

Pliers: 8" Linesman's, 10" Water Pump,
6" Diagonal Cut, 6" Chain Nose
Screwdrivers: #1 X 3", #2 X 4" Phillips Tip
1/8" X 5" Slotted, 1/4" X 6" Cabinet Tip
Tool Roll Pouch 8

TR-9UEK

Pliers: "Aussie" 8" Linesman's,
7" Chain Nose, 7" Diagonal Cut,
9-1/2" Wire Stripper
Screwdrivers: 3/16" X 4-1/2",
3/16" X 6", 1/4" X 6" Cabinet Tip
#1 X 3", #2 X 4" Phillips Tip
Tool Roll Pouch 9



TR-9ELK-HD

TR-9HVAC TOOLKIT

6" Adjustable Wrench
8" Water Pump Plier
6" Screwdrivers: #1, #2 Phillips Tip
3/16", 1/4" Cabinet Tip,
6" Nut Drivers: 1/4", 5/16", 3/8"
Tool Roll Pouch 9

TR-9WR

Pliers: 9-1/2" Wire Stripper, 8" Chain Nose
8" Diagonal Cut, 8" Plastic Fuse Puller
Screwdrivers: #2 X 6" Phillips Tip
3/16 X 8", 1/4" X 8" Cabinet Tip
3" Nut Drivers: 8mm, 13mm
Tool Roll Pouch 10

TR-9ELK HD

Pliers: 9" Linesman's, 8" Chain Nose
8" Hardened Diagonal Cut, 10" Crimper,
7-5/8" Solid Wire Stripper
Screwdrivers: #1 X 3", #2 X 4" Phillips Tip
3/16" X 6", 1/4" X 6" Robertson Tip
Tool Roll Pouch 10

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

RATED 1000 VAC / 1500 VDC



TR-9ELK

TR-9ELK

Pliers: 9" Linesman's, 7" Chain Nose
 7" Diagonal Cut, 9-1/2" Wire Stripper
 Screwdrivers: 3/16 X 4-1/2", 3/16 X 6"
 1/4" X 6" Cabinet Tip
 #1 X 3", #2 X 4" Phillips Tip
 Tool Roll Pouch 9



TR-9ELK-SC

TR-9ELK in a Soft Case
 Zippered Soft Case 8

TR-9ELK-C

TR-9ELK with alternate Screwdriver mix
 Composite Screwdrivers: 3/16 X 5",
 3/16 X 6", 1/4" X 6" Cabinet Tip
 #1 X 5", #2 X 4" Phillips Tip
 Tool Roll Pouch 9

TR-9ELK-CA

TR-9ELK with Robertson Tip Screwdrivers
 replacing Phillips Tip
 Robertson Tip Screwdrivers:
 #1 X 4", #2 X 4"
 Tool Roll Pouch 9

TR-9BEK-CA

TR-9ELK with alternate Screwdriver mix:
 Screwdrivers: 1/4" X 6" Cabinet Tip
 #1 X 3", #2 X 4" Phillips Tip
 #1 X 4", #2 X 4" Robertson Tip
 Tool Roll Pouch 9

TR-9ELKFP

TR-9ELK with
 8" Plastic Fuse Puller replacing
 #1 X 3" Phillips Tip
 Tool Roll Pouch 9

TR-9BEK-CA-C

TR-9ELK replacing standard steel with
 Composite Screwdriver mix:
 Composite Screwdrivers:
 #2 X 6" Robertson Tip
 3/16 X 6", 1/4" X 6" Cabinet Tip
 #1 X 5", #2 X 6" Phillips Tip
 Tool Roll Pouch 9



RATED 1000 VAC / 1500 VDC Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

Tool Rolls

TR-10MRK

Pliers: 8" Chain Nose, 8" Plastic Fuse Puller
 2-1/2" Plug Wrench
 Screwdrivers: #1 X 3, #2 X 4" Phillips Tip
 3/16 X 6", 1/4" X 6" Cabinet Tip
 6" Nut Drivers: 5/16", 3/8", 1/2"
 Tool Roll Pouch 10

ITS-10ELT

Pliers: 8" Linesman's, 7" Diagonal Cut
 8" Chain Nose, 8" Plastic Fuse Puller
 10" Crimper, 9-1/2" Wire Stripper
 9" Cable Cutter
 Screwdrivers: 3/16 X 6"
 1/4" X 6", Cabinet Tip,
 #1 X 3", #2 X 4", #3 X 6" Phillips Tip
 Tool Roll Pouch 10



TR-11ELK

TR-11ELK

Pliers: 9" Linesman's, 7" Chain Nose
 7" Diagonal Cut, 9-1/2" Wire Stripper
 Screwdrivers: 3/16 X 4-1/2", 3/16 X 6"
 1/4" X 6" Cabinet Tip
 #1 X 3", #2 X 4" Phillips Tip
 3" Nut Drivers: 3/8", 7/16"
 Tool Roll Pouch 11

TR-11GSK

Pliers: 8" Linesman's, 8" Chain Nose,
 7" Diagonal Cut, 8" Plastic Fuse Puller
 2-1/2" Plug Wrench
 Cabinet Tip Screwdrivers: 1/8" X 5",
 3/16 X 4-1/2", 1/4" X 6"
 3" Nut Drivers: 5/16", 3/8", 1/2"
 Tool Roll Pouch 11

ITP-11ABB-ATFS

Pliers: 7" Needle Nose, 6" Bent Needle Nose,
 6" Diagonal Cut, 7-5/8" Solid Wire Stripper
 Screwdrivers: 1/8" X 5",
 3/16 X 4-1/2", 1/4" X 6" Cabinet Tip
 #1 X 3", #2 X 4" Phillips Tip
 #1 X 4", #2 X 4" Robertson Tip
 Tool Roll Pouch 11

TR-12MRSK

Pliers: 9" Linesman's, 8" Chain Nose,
 7" Diagonal Cut, 8" Plastic Fuse Puller
 2-1/2" Plug Wrench
 Cabinet Tip Screwdrivers: 1/8" X 5",
 3/16 X 4-1/2", 3/16" X 6", 1/4" X 6"
 3" Nut Drivers: 5/16", 3/8", 1/2"
 MR Tool Roll Pouch 12

TR-12MS-C

Pliers: 9" Linesman's, 8" Chain Nose,
 7" Diagonal Cut, 8" Plastic Fuse Puller
 7" Reinforced Plastic
 Composite Cabinet Tip Screwdrivers:
 1/8" X 3", 3/16" X 6", 1/4" X 6"
 Composite Robertson Tip Screwdrivers:
 #2 X 6"
 6" Composite Nut Drivers: 5/16", 3/8", 1/2"
 MR Tool Roll Pouch 12



TR-12MRSK

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

RATED 1000 VAC 1500 VDC

TR-14 HINGED TOOLS

- Pliers: 9" Linesman's, 7" Chain Nose, 7" Diagonal Cut, 9" Cable Cutter
- 7-5/8" Solid Wire Stripper, 10" Crimper
- 10", 12", 16", Water Pump Pliers
- 10" Ratcheting Cable Cutter
- 6" Mini Mag Light
- Tool Roll Pouch 12



TR-14 HINGED TOOLS



TR-SSMK

- Pliers: 9" Linesman's, 7" Diagonal Cut
- 7" Chain Nose, 8" Plastic Fuse Puller
- 10" Crimper, 9-1/2" Wire Stripper
- 7" Reinforced Plastic
- 2-1/2" Plug Wrench
- Cabinet Tip Screwdrivers: 1/8" X 5", 3/16" X 4-1/2", 3/16" X 6", 1/4" X 6"
- 3" Nut Drivers: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"
- Tool Roll Pouch 8



TR-SSMK



IMBP-14

- Pliers: 9" Linesman's, 7" Diagonal, 7" Chain Nose, 10" Water Pump
- 9-1/2" Wire Stripper
- 8" Adjustable Wrench
- 3" SAE Nut Drivers: 3/8", 1/2"
- Screwdrivers: 1/8" X 2", 1/4" X 6" Cabinet Tip
- 5/16" X 6" Mechanics Tip
- #2 X 4" Phillips Tip
- 1/4" X 9-3/4" Flat Tip Holding Screw Starter
- Electrician's Knife with Cap
- Belt Pouch



IEBP-14

- Pliers: 9" Linesman's, 7" Diagonal Cut
- 7" Chain Nose, 10" Water Pump,
- 9-1/2" Wire Stripper
- 8" Plastic Fuse Puller
- 3" Nut Drivers: 3/16", 1/4", 5/16"
- Screwdrivers: 1/8" X 5", 3/16" X 4-1/2", 1/4" X 6" Cabinet Tip
- #2 X 4" Phillips Tip
- Electrician's Knife with Cap
- Belt Pouch



IEBP-14

RATED 1000 VAC / 1500 VDC Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

ITC-8COMM

Pliers: 9" Linesman's, 7" Diagonal Cut, 10" ViceGrip
 8" Adjustable Wrench
 Screwdrivers: 3/16" X 4-1/2" Cabinet Tip
 5/16" X 6" Mechanics Tip
 #2 X 6", #3 X 6" Phillips Tip
 Zippered Soft Case 8

ITC-8COMM-FI

ITC-8COMM with
 8" Fully Insulated Adjustable Wrench
 (replacing 8" Adjustable Wrench)

ITC-9ELK

Pliers: 9" Linesman's, 7" Diagonal Cut
 7" Chain Nose, 9-1/2" Wire Stripper
 Screwdrivers: 3/16 X 4 1/2"
 3/16" X 6", 1/4" X 6" Cabinet Tip,
 #1 X 3", #2 X 4" Phillips Tip
 Blow Molded Case, Small

ITS-11SC

Pliers: 8" Linesman's, 6" Diagonal Cut,
 6" Chain Nose, 7-5/8" Solid Wire Stripper
 Screwdrivers: 3/32" X 2",
 1/8" X 5", 1/4" X 6", Cabinet Tip,
 5/16" X 6" Mechanics Tip,
 #2 X 6", #3 X 6" Phillips Tip
 Snap Closure Case 701

ITS-12B-AES

Pliers: 9" Linesman's, 6" Diagonal Cut,
 6" Chain Nose, 8" Slip Joint,
 10" Crimper, 10" Water Pump
 Screwdrivers: 3/16" X 4-1/2"
 1/4" X 6" Cabinet Tip,
 1/4" X 4-1/2", 5/16" X 6" Mechanics Tip
 #1 X 3", #2 X 4" Phillips Tip
 20" Tool Box

ITS-3BK

9" Linesman's Plier
 1/4" X 6" Cabinet Tip Screwdriver
 #2 X 4" Phillips Tip Screwdriver

ITC-9DIST

Pliers: 9" Linesman's,
 7" Diagonal Cut, 10" ViceGrip
 Adjustable Wrenches: 8", 12"
 Screwdrivers: 3/16" X 6"
 3/16" X 8", Cabinet Tip,
 #2 X 6", #3 X 6" Phillips Tip
 Zippered Soft Case 8

ITC-9DIST-FI

ITC-9DIST with
 Fully Insulated Adjustable Wrenches:
 8", 12"
 (replacing Adjustable Wrench: 8", 12")

ITC-9TRANS

Pliers: 9" Linesman's,
 10" ViceGrip
 Adjustable Wrenches: 8", 12", 15"
 Screwdrivers: 3/16" X 6"
 3/16" X 8", Cabinet Tip,
 #2 X 6", #3 X 6" Phillips Tip
 Zippered Soft Case 8

ITC-9TRANS-FI

ITC-9TRANS with
 Fully Insulated Adjustable Wrenches:
 8", 12", 15"
 (replacing Adjustable Wrench: 8", 12", 15")



ITS-12B-AES

ITB-15GTR

Pliers: 9" Linesman's, 6" Chain Nose,
 7-5/8" Solid Wire Stripper, 10" Crimper
 8" Fully Insulated Adjustable Wrench
 Plastic Fuse Pullers: 5", 7 1/2"
 Screwdrivers: 3/16" X 4-1/2",
 3/16" X 6", 1/4" X 6" Cabinet Tip
 5/16" X 6" Mechanics Tip
 #1 X 3", #2 X 4" Phillips Tip
 Holding Screw Starters:
 9-3/4" Slotted, 9-3/4" Phillips
 6" LED Mini Mag Lite
 Driver Roll Pouch 6
 20" Tool Box

ITS-18SCE

Pliers: 8" Diagonal, 8" Chain Nose
 "T" Handle Socket Wrenches:
 5/8", 1/2"
 6" Composite Nut Drivers:
 5/16", 3/8", 7/16", 1/2", 9/16"
 Composite Screwdrivers: 3/16 X 6",
 1/4" X 4-1/2", 5/16" X 6",
 3/8" X 6" Cabinet Tip,
 #2 X 4", Phillips Tip
 Composite Holding Screw Starters:
 8" Slotted, 8" Phillips
 20" Tool Box

Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

RATED 1000 VAC / 1500 VDC

ITS-MB410

IR12-LC: 1/2" Square Drive Ratchet
 Extension Bars: 5", 10"
 12-Point SAE Standard Wall Sockets:
 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4",
 Pliers: 9" Linesman's,
 7" Diagonal Cut, 7" Chain Nose
 Screwdrivers: 1/8" X 2", 3/16" X 4-1/2"
 1/4" X 6" Cabinet Tip,
 #1 X 3", #2 X 4" Phillips Tip
 Orange Flashlight
 Blow Molded Case, Large

ITS-MB410



ITS-MB410M

ITS-MB140 with Metric Sockets replacing SAE Sockets
 and w/o Flashlight
 12-Point Metric Standard Wall Sockets:
 8mm, 10mm, 13mm, 14mm, 15mm, 17mm, 19mm

ITB22-GPTK

Pliers: 9" Hardened Linesman's,
 8" Hardened Diagonal, 7" Diagonal
 8" Hardened Diagonal Cut,
 6", 7" Chain Nose,
 8" Needle Nose w/ Wire Stripper
 7-5/8" Solid Wire Stripper
 9" Cable Cutter, 10" Crimping,
 10", 12" Water Pump
 Screwdrivers: 3/16" X 4-1/2",
 3/16" X 6", 3/16" X 8" Cabinet Tip,
 1/4" X 4-1/2", 5/16" X 6",
 3/8 X 10" Mechanics Tip
 #1 X 3", #2 X 4", #3 X 6" Phillips Tip
 9" Insulated Linesman's Knife
 26" Tool Box



ZTB-23JM

ITC22-GPTK

ITB22-GTPK In a Deluxe Tool Case

ITS-22GITK

Pliers: 9" Linesman's,
 7" Diagonal Cut, 8" Chain Nose,
 10" Crimper, 9" Cable Cutter,
 9-1/2" Wire Stripper, 10" Water Pump
 6" SAE Nut Drivers: 3/16", 1/4",
 5/16", 3/8", 7/16", 1/2"
 Screwdrivers: 3/16" X 4 1/2"
 3/16" X 6", 1/4" X 6" Cabinet Tip,
 #1 X 3", #2 X 6", #3 X 6" Phillips Tip
 Screwstarters:
 9-3/4" Slotted, 9-3/4" Phillips
 Electrician's Knife with Cap
 20" Tool Box

ZTB-23JM

Pliers: 9" Linesman's,
 8" Diagonal, 8" Chain Nose,
 10" Crimper, 9" Cable Cutter,
 7-5/8" Solid Wire Stripper
 10" Crimping, 10" Water Pump
 Plasti Fuse Puller
 3" SAE Nut Drivers: 3/16", 1/4",
 5/16", 3/8", 7/16", 1/2"
 Cabinet Tip Screwdrivers:
 1/8" X 5", 3/16" X 6", 1/4" X 6"
 Mechanics Tip Screwdrivers:
 5/16" X 6", 3/8" X 8"
 Phillips Tip Screwdrivers:
 #1 X 3", #2 X 6", #3 X 6"
 Electrician's Knife with Cap
 Driver Roll Pouch 12
 Zippered Tool Bag, 11" X 15"

RATED 1000 VAC / 1500 VDC Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

ITS-24B

- Pliers: 9" Linesman's,
6" Diagonal, 6" Chain Nose,
10" Crimping, 8" Slip Joint,
10" Water Pump
- SAE Long Arm Hex "L" Wrenches:
3/16", 1/4", 5/16", 3/8", 7/16", 1/2"
- 3" SAE Nut Drivers: 1/4",
5/16", 3/8", 7/16", 1/2"
- Cabinet Tip Screwdrivers:
3/16" X 4-1/2", 1/4" X 6"
- Mechanics Tip Screwdrivers:
1/4" X 4", 5/16" X 6"
- Phillips Tip Screwdrivers:
#1 X 3", #2 X 4"
- 20" Tool Box



ITS-24B

ITB-240MB

- 30150TW38I: 3/8" Square Drive
Torque Wrench - 30-150 Inch pounds
- IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6", 12"
- 12-Point SAE Deep Wall Sockets:
3/8", 7/16", 1/2", 9/16", 5/8",
11/16", 3/4", 13/16"
- 10" Water Pump Pliers
- SAE Long Arm Hex "L" Wrenches:
3/16", 1/4", 5/16", 3/8"
- 3" SAE Nut Drivers:
3/8", 7/16", 1/2", 9/16"
- Screwdrivers:
1/4" X 6" Cabinet Tip,
#2 X 6" Phillips Tip
- 20" Tool Box

ITS-MB420

- IR12-LC: 1/2" Square Drive Ratchet
Extension Bars: 5"
- 12-Point SAE Standard Wall Sockets:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- Pliers: 9" Linesman's,
7" Diagonal Cut, 7" Chain Nose
- SAE Open End Wrenches:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- Screwdrivers: 1/8" X 2", 3/16 X 4-1/2",
1/4" X 6" Cabinet Tip,
#1 X 3", #2 X 4" Phillips Tip
- Orange Flashlight
- Blow Molded Case, Large

ITS-MB420-38

- ITS-MB420 replacing 1/2" Square Drive
with 3/8" Square Drive:
Ratchet, Extension Bar and Sockets
- IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 6"
- 12-Point SAE Standard Wall Sockets:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

ITS-MB420-IH

- IR12-LC: 1/2" Square Drive Ratchet
Extension Bars: 5"
- 12-Point SAE Standard Wall Sockets:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- 6" SAE Hex Bit Sockets:
3/8", 7/16", 1/2", 9/16", 5/8", 3/4"
- Pliers: 9" Linesman's,
7" Diagonal Cut, 7" Chain Nose
- SAE Open End Wrenches:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- Blow Molded Case, Large

ITS-MB420



Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

RATED 1000 VAC / 1500 VDC

ITS-30B

Pliers:

- 9" Linesman's, 8" Slip Joint, 8" Chain Nose,
- 7" Diagonal, 9" Cable Cutter, 10" Crimp,
- 6" Duck Bill, 10", 12" Water Pump

6" SAE T-Handle Hex Wrenches:

- 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"

3" SAE Nut Drivers:

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

Cabinet Tip Screwdrivers:

- 3/16" X 4-1/2", 3/16" X 6", 1/4" X 6"

Mechanic's Tip Screwdrivers:

- 1/4" X 4-1/2", 5/16" X 6", 3/8" X 8"

Phillips Tip Screwdrivers:

- #1 X 3", #2 X 4"

20" Tool Box



ITS-30B



ITS-30B-SC

ITS-30B tools in a Soft-Side Carrying Case

ITS-30B-NDXL

ITS-30B replacing 3" with 6" SAE Nut Drivers
20" Tool Box

ITS-30B-MM

ITS-30B replacing SAE with Metric Nut Drivers
and T-Handle Hex Wrenches

6" Metric T-Handle Hex Wrenches:

- 4mm, 5mm, 6mm, 8mm, 9mm, 10mm

3" Metric Nut Drivers:

- 4mm, 5mm, 6mm, 8mm, 9mm, 10mm, 12mm



ITS-30B-CA

ITS-30B with an alternate Screwdriver Mix
that includes Robertson Tip Screwdrivers

Cabinet Tip Screwdrivers:

- 3/16" X 6", 1/4" X 6"

Mechanic's Tip Screwdrivers:

- 1/4" X 4-1/2", 3/8" X 8"

Phillips Tip Screwdrivers:

- #1 X 3", #2 X 4"

Robertson Tip Screwdrivers:

- #1 X 3", #2 X 4"



ITS-30B-SC

ITS-30B-C

ITS-30B replacing standard steel with
Composite Screwdrivers and Nut Drivers

6" Composite SAE Nut Drivers:

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

Composite Cabinet Tip Screwdrivers:

- 3/16" X 5", 3/16" X 6", 1/4" X 4-1/2", 1/4" X 6"

Composite Mechanic's Tip Screwdrivers:

- 5/16" X 6", 3/8" X 6"

Composite Phillips Tip Screwdrivers:

- #1 X 3", #2 X 4"



RATED 1000 VAC / 1500 VDC Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts

ITS-30MTK

IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point SAE Deep Wall Sockets: 3/8",
7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
Pliers: 9" Linesman's,
7" Diagonal Cut, 7" Chain Nose
SAE Box End Wrenches: 3/8", 7/16",
1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
Screwdrivers: 1/8" X 5", 3/16" X 4-1/2",
1/4" X 6" Cabinet Tip,
#1 X 3", #2 X 4" Phillips Tip
Orange Flashlight
20" Tool Box

ITS-MB430

ITS-30MTK plus 30200TW381
3/8" Square Drive Torque Wrench
30-200 Inch Pounds
In a Blow Molded Carrying Case

ITS-MB430M

ITS-30MTK with 1/2" Square Drive Torque Wrench,
Metric Sockets and Box End Wrenches
150750TW12I: 1/2" Square Drive Torque Wrench
150-750 Inch Pounds
IR12-LC: 1/2" Square Drive Ratchet
Extension Bars: 2", 5"
12-Point Metric Deep Wall Sockets:
9mm, 10mm, 12mm, 14mm, 15mm, 19mm, 21mm, 22mm
Metric Box End Wrenches:
10mm, 11mm, 12mm, 14mm, 15mm, 16mm, 18mm, 20mm



ITS-MB431

ITS-MB431

30200TW381: 3/8" Square Drive Torque Wrench
30-200 Inch Pounds
IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
12-Point SAE Deep Wall Sockets:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
Pliers: 9" Linesman's,
7" Diagonal, 7" Chain Nose
SAE Wrenching Box End Wrenches:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
Screwdrivers: 1/8" X 5", 3/16" X 4-1/2"
1/4" X 6" Cabinet Tip,
#1 X 3", #2 X 4" Phillips Tip
Orange Flashlight
Blow Molded Carrying Case

ITS-MB431M

ITS-MB431 replacing SAE with Metric Sockets
and Ratcheting Box End Wrenches
12-Point Metric Deep Wall Sockets: 10mm,
12mm, 13mm, 14mm, 15mm, 17mm, 19mm, 20mm
Metric Wrenching Box End Wrenches: 10mm,
12mm, 13mm, 14mm, 15mm, 17mm, 19mm, 20mm



Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts



ITB-39IMB

- 30150TW381: 3/8" Square Drive Torque Wrench
30-150 Inch Pounds
- IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6", 12"
- 12-Point SAE Deep Wall Sockets:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
- 10" Water Pump Pliers
- SAE Long Arm Hex "L" Wrenches:
3/16", 1/4", 5/16", 3/8"
- SAE Box End Wrenches: 3/8", 7/16",
1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
- 3" SAE Nut Drivers: 3/16", 1/4",
5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
- Screwdrivers: 3/16" X 6",
1/4" X 6" Cabinet Tip,
5/16" X 6" Mechanics Tip,
#1 X 3", #2 X 6" Phillips Tip
- 20" Tool Box

ITS-40B

- ITC-39IMB with 30200TW381:
3/8" Square Drive Torque Wrench
30-200 Inch Pounds
- Without 12" Extension Bar
- 26" Tool Box



ITS-40B

ITC-40-W

- 30200TW381: 3/8" Square Drive Torque Wrench
30-200 Inch Pounds
- IR38-LC: 3/8" Square Drive Ratchet
Extension Bars: 3", 6"
- 12-Point SAE Deep Wall Sockets:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
- Pliers: 9" Linesman's,
6" Diagonal, 7" Chain Nose,
10" Ratcheting Cable Cutter
- SAE Box End Wrenches: 3/8", 7/16",
1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
- SAE Open End Wrenches: 3/8", 7/16",
1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
- 7/16" X 3" Nut Driver
- Screwdrivers: 1/8" X 2",
3/16" X 4 1/2", 1/4" X 6" Cabinet Tip,
#1 X 3", #2 X 4" Phillips Tip
- Orange Flashlight
- Electrician's Knife with Cap
- Deluxe Case with Wheels and Laser Cut Foam



ITS-46B

ITS-46B

- Pliers: 9" Linesman's, 7" Diagonal,
7" Chain Nose, 10" Crimper,
9" Cable Cutter, 9-1/2" Wire Stripper
- 10" Water Pump
- SAE Long Arm Hex "L" Wrenches:
1/16", 5/64", 3/32", 7/64", 9/64", 5/32",
3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 1/2"
- SAE Box End Wrenches: 3/8", 7/16",
1/2", 9/16", 5/8", 11/16", 3/4", 13/16",
7/8", 15/16", 1"
- 6" SAE Nut Drivers: 3/16", 1/4",
5/16", 11/32", 3/8", 7/16", 1/2"
- Screwdrivers: 1/8" X 2", 3/16" X 4-1/2",
3/16" X 6", 1/4" X 6" Cabinet Tip,
3/8" x 10" Mechanics Tip,
#2 X 4", #2 X 8" Phillips Tip
- Snap Closure Case 501
- 26" Tool Box

RATED 1000 VAC / 1500 VDC Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts



ITS-60B/T-DLX



ITS-60B/T

ITS-60B plus

30200TW381: 3/8" Square Drive Torque Wrench
 30-200 Inch Pounds

ITS-60B/T-DLX

ITS-60B-DLX plus

30200TW381: 3/8" Square Drive Torque Wrench
 30-200 Inch Pounds

ITS-60B-IHK

ITS-60B with

SAE T-Handle Hex Wrenches: replacing Hex "L" Wrenches
 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16",
 7/32", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"

SAE Open End Wrenches: replacing Box End Wrenches
 3/8", 7/16", 1/2", 9/16", 5/8", 11/16",
 3/4", 13/16", 7/8", 15/16", 1"

T-Handle Bag, Long: replacing Snap Case

ITS-60B

IR38-LC: 3/8" Square Drive Ratchet

Extension Bars: 3", 6"

12-Point SAE Standard Wall Sockets: 5/16", 3/8",
 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"

Pliers: 9" Linesman's,

7" Diagonal, 7" Chain Nose,

10" Crimping, 9" Cable Cutter

9-1/2" Wire Stripper, 10" Water Pump

SAE Long Arm Hex "L" Wrenches:

1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32",

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

SAE Box End Wrenches: 3/8", 7/16", 1/2",

9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"

6" SAE Nut Drivers:

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

Screwdrivers: 1/8" X 2", 3/16" X 4-1/2",

3/16" X 6", 1/4" X 6" Cabinet Tip,

3/8" X 10" Mechanics Tip,

#2 X 4", #2 X 8" Phillips Tip

Wrench Roll Pouch 11

Snap Case

26" Tool Box

ITS-60B-DLX

ITS-60B with

Wrench Roll Pouch 11

Deluxe Tool Case

ITS-60B-DLX-W

ITS-60B with

Wrench Roll Pouch 11

Deluxe Tool Case with Wheels

ITS-60B/T-DLX-W

ITS-60B-DLX-W plus

30200TW381: 3/8" Square Drive Torque Wrench
 30-200 Inch Pounds

ITS-60B/T-IHK

ITS-60B-IHK plus

30200TW381: 3/8" Square Drive Torque Wrench
 30-200 Inch Pounds

and with

SAE Box End Wrenches: replacing Open End Wrenches
 3/8", 7/16", 1/2", 9/16", 5/8", 11/16",
 3/4", 13/16", 7/8", 15/16", 1"

ITS-60B-DLX-W-IGW

ITS-60B with

SAE Ratcheting Box End Wrenches: replacing Box End Wrenches

3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"

Deluxe Tool Case with Wheels: replacing Snap Case and 26" Tool Box



ITS-60B/T-IGW-DLX-W

ITS-60B-DLX-W-IGW plus

30200TW381: 3/8" Square Drive Torque Wrench
30-200 Inch Pounds

Snap Closure Case 501
and without

1/16" SAE Long Arm Hex "L" Wrench

ITS-60B-M

ITS-60B with Metric Sockets,

Long Arm Hex "L" Wrenches,

Box End Wrenches, and Nut Drivers

12-Point Metric Standard Wall Sockets:

8mm, 10mm, 12mm, 13mm, 14mm,

15mm, 16mm, 18mm, 19mm, 22mm

Metric Long Arm Hex "L" Wrenches:

1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm,

7mm, 8mm, 9mm, 10mm, 12mm, 14mm, 17mm

Metric Box End Wrenches: 10mm, 12mm, 13mm,

14mm, 15mm, 17mm, 19mm, 22mm, 24mm, 27mm

6" Metric Nut Drivers:

6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 13mm

ITS-60B/T-MM

ITS-60B-M plus

30200TW381: 3/8" Square Drive Torque Wrench
30-200 Inch Pounds

and with a different mix of Metric

Long Arm Hex "L" Wrenches,

Box End Wrenches, and Nut Drivers

Metric Long Arm Hex "L" Wrenches:

1.5mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm,

5mm, 5.5mm, 6mm, 8mm, 10mm, 11mm, 12mm

Metric Box End Wrenches: 10mm, 11mm, 12mm, 14mm,

16mm, 17mm, 19mm, 20mm, 22mm, 24mm, 25mm

6" Metric Nut Drivers:

5mm, 6mm, 8mm, 9mm, 10mm, 11mm, 12mm

ITS-60B/T-OEW-DLX-W

ITS-60B/T-IGW-DLX-W with

SAE Open End Wrenches: replacing Ratcheting Box End Wrenches

3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"

and without

Snap Closure Case 501

ITS-60B/T-DLX-W-MM

ITS-60B/T-MM with

Deluxe Tool Case With Wheels: replacing 26" Tool Box

ITS-60B/T-IGW-MM-DLX-W

ITS-60B/T-DLX-W-MM with

Metric Ratcheting Box End Wrenches: 10mm, 11mm, 12mm,

14mm, 16mm, 17mm, 19mm, 20mm, 22mm, 24mm, 25mm

and without

Snap Closure Case 501

ITS-60B/T-MM

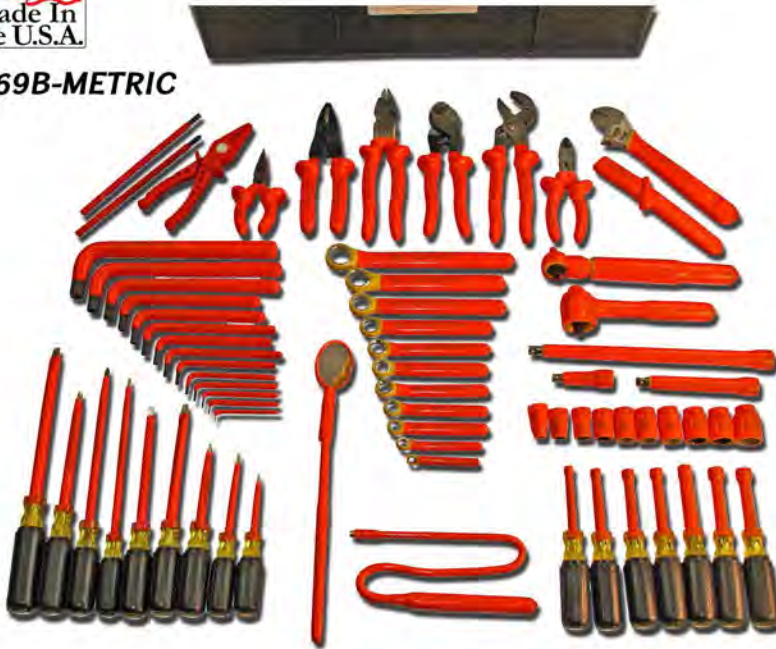
Tool Kits



Tested to 10,000 VAC and Rated for 1,000 VAC when working on or around live parts



ITS-69B-METRIC



ITS-69B-METRIC

- 30200TW38I: 3/8" Square Drive Torque Wrench**
30-200 Inch Pounds
- IR38-LC: 3/8" Square Drive Ratchet**
Extension Bars: 3", 6", 12"
- 12-Point Metric Standard Wall Sockets:**
8mm, 10mm, 12mm, 13mm, 14mm,
15mm, 16mm, 18mm, 19mm, 22mm
- Pliers: 9" Linesman's,**
6" Diagonal, 6" Chain Nose,
Plastic Grip, 9" Cable Cutter
9-1/2" Wire Stripper, 10" Water Pump
- 10" Adjustable Wrench**
- Metric Long Arm Hex "L" Wrenches:**
1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm,
7mm, 8mm, 9mm, 10mm, 12mm, 14mm, 17mm
- Metric Box End Wrenches:**
6mm, 8mm, 10mm, 11mm, 12mm, 13mm,
14mm, 15mm, 17mm, 19mm, 22mm
- 3" Metric Nut Drivers:**
5mm, 6mm, 8mm, 9mm, 10mm, 11mm, 12mm
- Cabinet Tip Screwdrivers:**
3/16" X 4-1/2", 3/16" X 8", 1/4" X 6"
- Mechanics Tip Screwdrivers:**
5/16" X 6", 3/8" X 8"
- Phillips Tip Screwdrivers:**
#1 X 3", #2 X 4", #2 X 8", #3 X 6"
- 8" Composite Holding Screwstarters:**
Slotted, Phillips
- Electrician's Knife with Cap**
- 2-1/4" Round Inspection Mirror**
- 18" Magnetic Retrieving Tool**
- Wrench Roll Pouch 11**
- 26" Tool Box**

ZTB-62

- 30200TW38I: 3/8" Square Drive Torque Wrench**
30-200 Inch Pounds
- IR38-LC: 3/8" Square Drive Ratchet**
Extension Bars: 3", 6"
- 12-Point SAE Standard Wall Sockets:**
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
- 12-Point Metric Standard Wall Sockets:**
10mm, 11mm, 12mm, 13mm, 14mm,
15mm, 16mm, 17mm, 18mm, 19mm
- SAE Open End Wrenches:**
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
- Metric Open End Wrenches:**
10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 18mm, 19mm
- SAE Ratcheting Box End Wrenches:**
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
- Metric Ratcheting Box End Wrenches:**
9mm, 10mm, 11mm, 12mm
- 6" SAE Nut Drivers:**
3/16", 1/4", 5/16", 3/8", 7/16", 1/2"
- Screwdrivers: 3/16" X 4-1/2",**
3/16" X 6", 1/4" X 6" Cabinet Tip
5/16" X 6", Mechanics Tip
#1 X 3", #2 X 4" Phillips Tip
- 3 X Wrench Roll Pouch 8**
- Driver Roll Pouch 6**
- Driver Roll Pouch 12**
- Driver Tool Roll 12**
- Zippered Pouch**
- Zippered Tool Bag, 11" X 15"**



ZTB-62

TESTED TO 10,000 VAC and Rated for 1,000 VAC when working on or around live parts



General Maintenance Kits

Telecommunications Kits

TCK-101

30200TW38I: 3/8" Square Drive Torque Wrench
30-200 Inch Pounds

IR38-LC: 3/8" Square Drive Ratchet
3" Extension Bar

12-Point SAE Standard Wall Sockets:
3/8", 7/16", 1/2", 9/16", 5/8"

Pliers: 9" Linesman's,
8" Slip Joint, 7" Chain Nose

Screwdrivers:

3/16" X 4-1/2", 3/16" X 6" Cabinet Tip,
5/16" X 6", 3/8" X 10" Mechanics Tip,

#2 X 4" Phillips Tip

Zippered Soft Case 16



TCK-101

TCK-101-M

TCK-101 with Metric Sockets replacing SAE Sockets

12-Point Metric Standard Wall Sockets:

10mm, 11mm, 13mm, 14mm, 16mm

Battery Kits

ITS-5BK

30200TW38I: 3/8" Square Drive Torque Wrench 30-200 Inch Pounds
6" Extension Bar

12-Point Metric Deep Wall Sockets: 10mm, 13mm

Pliers: 9" Linesman's, 8" Slip Joint, 7" Chain Nose

1/2" Ratcheting Box End Wrench

Zippered Pouch



ITS-5BK

ITB-14BSTK

236TSD140: 1/4" Square Drive Torque Wrench 2-36 Inch Pounds

30150TW14I: 1/4" Square Drive Torque Wrench 30-150 Inch Pounds

125TW716I: 7/16" Ratcheting Box End Torque Wrench 125 Inch Pounds

IR14-LC: 1/4" Square Drive Ratchet

6" Extension Bar

6-Point SAE Standard Wall Sockets: 3/8", 7/16"

6-Point SAE Standard Wall Flush Connect Sockets: 5/16", 7/16"

17mm Short Arm Hex "L" Wrench

7/16" Ratcheting Box End Wrench

IVRST-1: Valve Shroud Removal Tool

Zippered Tool Bag, 11" X 15"

ITS-24BTK

30200TW38I: 3/8" Square Drive Torque Wrench 30-200 Inch Pounds

IR38-LC: 3/8" Square Drive Ratchet

Extension Bars: 3", 6"

12-Point SAE Sockets:

5/16", 7/16", 1/2", 9/16" Standard Wall

7/16", 1/2", 9/16" Deep Wall

10mm 12-Point Standard Wall Socket

SAE Open End Wrenches: 7/16", 1/2", 9/16"

SAE Ratcheting Box End Wrenches: 7/16", 1/2", 9/16"

10mm Ratcheting Box End Wrench

6" SAE Nut Drivers: 1/4", 5/16"

Screwdrivers:

3/16" X 6" Cabinet Tip,

#2 X 4" Phillips Tip

20" Tool Box



ITS-24BTK

Utility Tool Kits



ITS-9UTK

ITS-9UTK

Pliers: 9" Linesman's, 7" Diagonal, 8" Chain Nose, 10" Crimping
8" Adjustable Wrench
Screwdrivers:
3/16" X 8" Cabinet Tip
1/4" X 4-1/2" Mechanics Tip
#1 X 3", #2 X 8" Phillips Tip
Tools Only

ITS-13-UTK

Pliers: 9" Linesman's, 8" Hardened Diagonal, 8" Angled, 9" Cable Cutter, 10" Water Pump
Mechanics Tip Screwdrivers:
1/4" X 4-1/2", 5/16" X 6", 3/8" X 10"
Phillips Tip Screwdrivers:
#1 X 3", #2 X 4"
9" Insulated Linesman's Knife
20" Tool Box

ITS-13UTK

Pliers: 9" Hardened Linesman's, 8" Hardened Diagonal, 8" Chain Nose, 8" Hardened Diagonal Cut, 9" Cable Cutter, 12" Water Pump
Mechanics Tip Screwdrivers:
1/4" X 4-1/2", 5/16" X 6", 3/8" X 10"
Phillips Tip Screwdrivers:
#1 X 3", #2 X 4", #3 X 6"
9" Insulated Linesman's Knife
Zippered Tool Bag, 11" X 15"



ITS-15LSK

ITS-15LSK

Pliers: 9" Linesman's, 10" Water Pump
30" Bolt Cutters
10" Adjustable Wrench
SAE Ratcheting Box End Wrenches:
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"
3/8" X 12" Mechanics Tip Screwdriver
20" Tool Box



ITS-16MTK

Pliers: 9" Linesman's, 8" Diagonal, 8" Chain Nose
Plastic Fuse Puller
3" SAE Nut Drivers: 11/32", 3/8", 1/2"
Cabinet Tip Screwdrivers: 1/8" X 2", 3/16" X 4-1/2", 3/16" X 6", 1/4" X 6"
Phillips Tip Screwdrivers:
#1 X 3", #2 X 4", #3 X 6"
Tool Roll Pouch 11



ITS-16MTK



ITB-22SS

IR38-LC: 3/8" Square Drive Ratchet

Extension Bars: 3", 6"

12-Point SAE Standard Wall Sockets:

3/8", 1/2", 9/16", 5/8", 3/4"

SAE Box End Wrenches:

3/8", 1/2", 9/16", 5/8", 3/4"

SAE Ratcheting Box End Wrenches:

3/8", 1/2", 9/16", 5/8", 3/4"

Phillips Tip Screwdrivers:

#1 X 3", #2 X 6", #3 X 6"

10" Skinning Knife

Wrench Roll Pouch 11

20" Tool Box (Gray)

ITB-30UFB

IR12-LC: 1/2" Square Drive Ratchet

Extension Bars: 5", 10"

1/2" Square Drive T-Handle Extension Bar

12-Point SAE Deep Wall Sockets:

7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"

Pliers: 9" Linesman's with Crimper,

10" Crimping, 7" Diagonal, 8" Needle Nose

Plastic Gripping

3/16" T-Handled Hex Wrench

7/8" X 3/4" Bug Wrench

6" Composite Nut Drivers:

3/8", 1/2", 9/16", 5/8", 3/4"

Composite Screwdrivers:

1/8" X 3", 1/4" X 4-1/2", 1/4" X 6" Cabinet Tip

#1 X 5" Phillips Tip

Driver Roll Pouch 12

20" Tool Box (Gray)

ITB-30UFB-C

IR12-LC: 1/2" Square Drive Ratchet

Extension Bars: 5", 10"

1/2" Square Drive T-Handle Extension Bar

12-Point SAE Deep Wall Sockets:

7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"

Pliers: 9" Linesman's with Crimper,

10" Crimping, 7" Diagonal, 8" Needle Nose

Plastic Gripping

3/16" T-Handled Hex Wrench

7/8" X 3/4" Bug Wrench

6" Composite Nut Drivers:

3/8", 1/2", 9/16", 5/8", 3/4"

Composite Screwdrivers:

1/8" X 3", 1/4" X 4-1/2", 1/4" X 6" Cabinet Tip

#1 X 5" Phillips Tip

Driver Roll Pouch 12

20" Tool Box (Gray)



IPMTK-516

5/16" Hex Drive Torque Wrench 10-80 Foot Pounds

5/16" Hex Drive Female to 3/8" Square Drive Male Adapter

5/16" Hex Drive Female to 1/2" Square Drive Male Adapter

5/16" Hex Drive - 1/2" 12-Point Standard Wall Socket

*ONLY AVAILABLE AS A COMPLETE KIT



IPMTK-516

Clampsticks

"AKA" Shotgun Sticks feature a high quality foam filled fiberglass reinforced plastic tube providing maximum insulation and mechanical strength. They are lightweight and easy to handle.

Feature a fixed length shotgun with external operating rod.

Tested per ASTM F711.

CPCS-8106



PN	DESC
CPCS-8104.....	4'6"
CPCS-8106.....	6'6"
CPCS-8108.....	8'6"
CPCS-8108U....	8'6" with Universal Adapter
CPCS-8110.....	10'6"
CPCS-8112.....	12'6"
CPCS-A10019...	Clampstick Adapter
CPCS-13413.....	Folding Shotgun Stick

Telescoping Hot Sticks



CPTS-220

PN	DESC
CPTS-208.....	8'
CPTS-212.....	12'7"
CPTS-216.....	16'9"
CPTS-220.....	20'
CPTS-225.....	25'6"
CPTS-225HSB...	25'6" with Bag
CPTS-230.....	30'
CPTS-235.....	35'
CPTS-240.....	39'6"
CPTS-250.....	26' Heavy Duty

Telescoping Hot Sticks offer long reach, speed, convenience and safety.

Fabricated of reinforced high density electrical grade fiberglass laminate for greater strength and dielectric properties.

Flourscent tip section is highly visible and has a foam core. All tip sections are 1.15" diameter. Cushioned cap protects base end.

Triangle shape eliminates "twisting and turning" and enables each section to "lock in automatically"; providing an ergonomic design for better control

Larger shape lock buttons provide easy operation.

Add or remove sections without the use of tools. Sections have a smooth glossy surface and only one size lock button and spring for replacement.

Universal head made of strong aluminum alloy incorporates corona discharge design and holds universal attachments securely.

Tested per ASTM F711.

Universal Hot Sticks

PN	1.25" Diameter
CPHS-5674.....	4'
CPHS-5676.....	6'
CPHS-5678.....	8'
CPHS-56710.....	10'
CPHS-56712.....	12'
CPHS-5464.....	4' Extension
CPHS-8392.....	56" Extension
CPDH-10431.....	Universal Disconnect Hook



Universal sticks feature a high-quality foam filled fiberglass reinforced plastic core providing maximum insulation and mechanical strength. They are light-weight and easy-to-handle with a hard-gloss, porosity-free bright safety yellow finish which is easy to clean and won't chip or peel.

Permanently mounted fiberglass prongs adapt to all Universal adaptor tools. Universal Hotsticks include disconnect hook.

*optional tools and accessories available upon request

CPDEHS-4618U.... Double End with Hook

PN	1.5" Diameter
CPHS-9957.....	10' Heavy Duty
CPHS9957K.....	10' Heavy Duty with Bag
CPHS-4220.....	10'
CPHS-4225.....	20'

Universal Head with Disconnect Stick Adapter



Universal Switching Stick

PN	DESC
CPSS-4604.....	1.25" X 4
CPSS-4606.....	1.25" X 6'
CPSS-4608.....	1.25" X 8'
CPSS-4610.....	1.25" X 10'
CPSS-4612.....	1.25" X 12'



Switch Sticks

- Switch heads are made of bronze
- Designed to NEMA standards

Sticks and Hooks

PN	DESC
ST-HSB-4.....	4'8"
ST-HSB-6.....	6'8"
ST-HSB-8.....	8'8"
ST-HSB-10.....	10'8"
ST-HSB-12.....	12'8"
ST-HSB-13.....	13'
ST-HSB-14.....	14'8"



Hot Stick Storage Bags

High visibility bag with dual snaps (Orange)

Capacitor Discharge Tool



CPCD-1006



Safely drain the capacitive charge after the circuit is deenergized.
Optional resistor available to limit discharge current.

Includes:

- 24" X 1-1/4" O.D. electrically tested (ASTM F711) fiberglass pole with hand guard
- 1/4" stainless steel hook with 1-3/8" opening
- Grounding Lead - extra flexible No. 2 str. copper grounding cable with safety yellow neoprene jacket with two hole, tin-plated copper lug terminated on one end in a heat-shrink sleeve
- Rubber tool holder for storage



CPCD-6753

PN _____ DESC _____

CPCD-1004..... Tool with 6' Lead

CPCD-1005..... Tool with 8' Lead

CPCD-1006..... Tool with 10' Lead

CPCD-1007..... Tool with 15' Lead

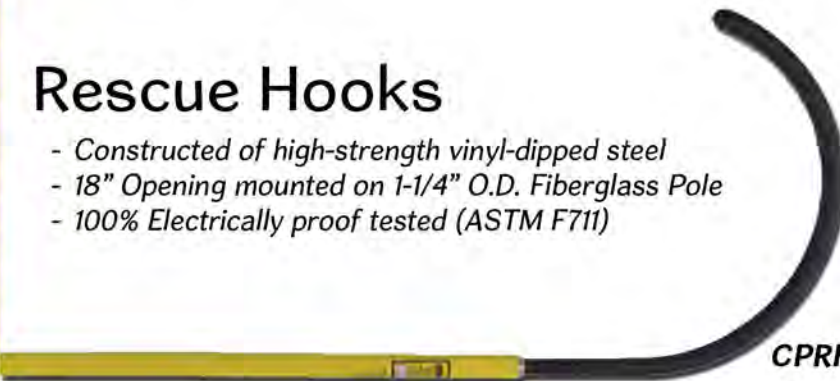
CPCD-1008..... Tool with 20' Lead

CPCD-6753..... Add on Resistor Stick

Sticks and Hooks

Rescue Hooks

- Constructed of high-strength vinyl-dipped steel
- 18" Opening mounted on 1-1/4" O.D. Fiberglass Pole
- 100% Electrically proof tested (ASTM F711)



CPRH-8481

PN _____ DESC _____

CPRH-8481..... 6'

CPRH-8482..... 8'



Electro Static Precipitator

Designed to safely remove the static charge after deenergizing for service work

Includes:

- Brass alloy U-shaped hook to engage precipitator plates
- 4' x 1-1/4" fiberglass installation pole
- 6' of No. 2 Stranded Extra flexible copper grounding cable with durable bright yellow neoprene jacket
- Aluminum alloy T-Handle flat face ground clamp can be attached to flat, round, and square hardware. Serrated jaws 1-1/2" max capacity



PN _____ DESC _____

CPDS-6768..... Tool with 6' Lead

CPDS-CTO2447... Tool with 12' Lead

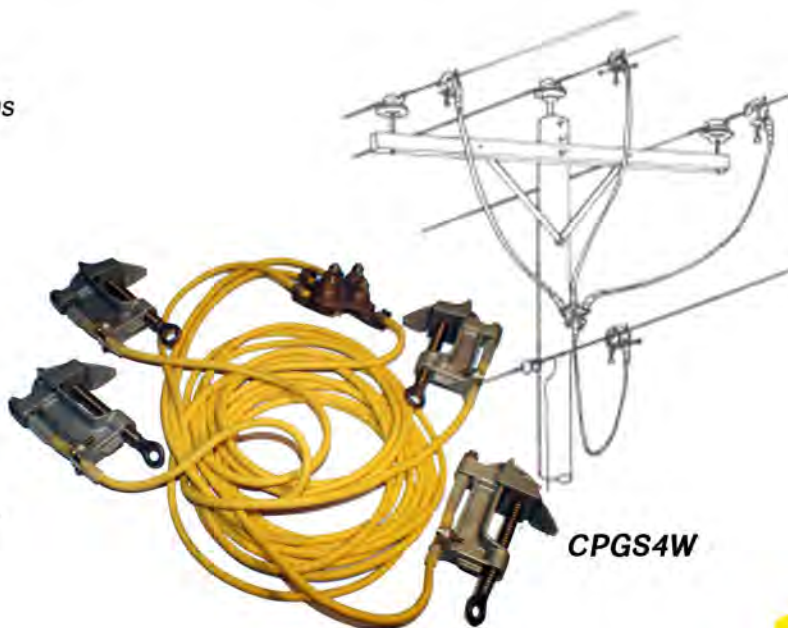


CPDS-6768

Grounding Sets

Four way connector grounding sets provide an excellent system for grounding of 3 phase systems

- Four Way Connector with Sleeves (1)
- 1.5" Serrated Jaw Clamps with Sleeves (4)
- Double Hanger Stud
- Contact Stud
- 1/0 Cubic Cable (34 feet)
- Ferrules (4 pair)
- 26 lbs.



PN	DESC
CPGS-1273.....	Three Phase Grounding Set
CPGS4W.....	4 Way Grounding Set

CPGSB-4007..... Grounding System Carry Bag

Grounding and Guards

Pole Guards

- Designed for easy installation and removal
- Guards are tested at 35KV
- Corrugated design allows unit to be easily opened for installing. Supplied with rubber straps to secure the guard to the pole. Strap can be removed with hot stick.
- Fits poles between 6"-12" diameter
- Brush contact only



PN	DESC
CCPPG-11925.....	3'
CCPPG-11927.....	6'



CCPPG-11927

Digital High/Low Voltage Phasing Meter

PN _____ DESC _____
CPPM-6706..... 0-20kV Digital Volt Meter with Conductor Hooks
Includes Carrying Case, Battery, and instructions
CPPM-6712..... Pair of Extension Resistors Increase Operating Range
CPDPK-6713.... Digital Phasing Kit



- 3-1/2 Digit kV Digital Display
- LCD Display with 1/2" tall digits
- Solid State Backlit Display
- 10' coiled cable (retracts to 16")
- Rugged Plastic Case Accomodates pair of AD-ON Resistors
- Attached to two 1-1/4" x 12" Long Fiberglass Sticks. Female universal splines allow attachment to Universal Hot Sticks
- One Conductor hook (2" Diameter) and one 2-1/2" Straight Probe are provided

Voltage Detector

- Non-contact high voltage detector
- Wide ranges of detection
 - 80V to 275kV
- Eight switch-selectable voltage sensitivity ranges
- Lightweight—minimizes sway at the end of long hot sticks
- Audible and visual indication of live voltage
- Self-test ensures that all system fuctions and indications are working properly by energizing the complete system
- Designed for use with hot sticks incorporating a shotgun adapter
- 100% Electrically proof tested (ASTM F711)

PN _____ DESC _____
CPVD275KV..... 240V-275KV



Insulating Rubber Gloves

Manufactured using natural rubber in ISO manufacturing facilities the rubber insulating gloves provided by Cementex Products Inc. are compliant with OSHA 1910.137, OSHA 1910.268, NFPA 70E, CSA Z462, and exceed the ASTM D120 and European EN60903 standards for use around Electrical Hazards and Arc Flash Protection.

These gloves are made of natural rubber construction offering the required dielectric properties combined with flexibility, strength, and durability. Gloves feature rolled cuffs and are anatomically shaped thereby reducing hand fatigue. Each glove is chlorinated for maximum comfort. Gloves are available in whole sizes in Black, Red, or Yellow.

Class / Voltage Usage

Each glove has colored label denoting class and maximum voltage the glove may be used for:

- Beige	Class 00	Max. Use Voltage	500VAC	/	750VDC
- Red	Class 0	Max. Use Voltage	1,000VAC	/	1,500VDC
- White	Class 1	Max. Use Voltage	7,500VAC	/	11,250VDC
- Yellow	Class 2	Max. Use Voltage	17,000VAC	/	25,500VDC
- Green	Class 3	Max. Use Voltage	26,500VAC	/	39,750VDC
- Orange	Class 4	Max. Use Voltage	36,000VAC	/	54,000VDC



Sizing: Measure the circumference of the palm as shown. Round up to the nearest whole number = Size

Insulating Gloves

PN	DESC
IG00-11-(SIZE).....	Class 00 - 11" O.A.L.
IG00-14-(SIZE).....	Class 00 - 14" O.A.L.
IG0-11-(SIZE).....	Class 0 - 11" O.A.L.
IG0-14-(SIZE).....	Class 0 - 14" O.A.L.
IG1-14-(SIZE).....	Class 1 - 14" O.A.L.
IG1-16-(SIZE).....	Class 1 - 16" O.A.L.
IG2-14-(SIZE).....	Class 2 - 14" O.A.L.
IG2-16-(SIZE).....	Class 2 - 16" O.A.L.
IG2-18-(SIZE).....	Class 2 - 18" O.A.L.
IG3-16-(SIZE).....	Class 3 - 16" O.A.L.
IG4-16-(SIZE).....	Class 4 - 16" O.A.L.

OSHA Certification Requirements

All Cementex gloves ship tested and certified according to OSHA regulation 1910.137(b)(2)(xii) which states the employer shall certify that equipment has been tested in accordance with the requirements of paragraph (b)(2)(viii), (b)(2)(ix), and (b)(2)(xi) of this section. The certification shall identify the equipment that passed the test and the date it was tested.

Glove Color - color may be specified by the addition of: (B = Black), (R = Red), (Y = Yellow) after the (SIZE) in the part number

Glove Kits

Include Insulating Rubber Gloves, Protectors, and Canvas Storage Bag

PN	DESC
IGK00-11-(SIZE)....	Class 00 - 11" O.A.L.
IGK00-14-(SIZE)...	Class 00 - 14" O.A.L.
IGK0-11-(SIZE).....	Class 0 - 11" O.A.L.
IGK0-14-(SIZE).....	Class 0 - 14" O.A.L.
IGK1-14-(SIZE).....	Class 1 - 14" O.A.L.
IGK2-14-(SIZE).....	Class 2 - 14" O.A.L.
IGK2-16-(SIZE).....	Class 2 - 16" O.A.L.
IGK3-16-(SIZE).....	Class 3 - 16" O.A.L.
IGK4-16-(SIZE).....	Class 4 - 16" O.A.L.



Leather Protectors

Leather protectors are designed to be worn over insulating rubber gloves. They serve the purpose of providing mechanical protection for the rubber gloves as well as providing additional arc flash protection for the hands.



P2-12



P0-10

PN	DESC
P0-10-(SIZE).....	Class 00/0 - 10" O.A.L.
P0-10-(SIZE)CS....	Class 00/0 - 10" O.A.L. with strap
P2-12-(SIZE).....	Class 1/2/3/4 - 12" O.A.L.
P2-14-(SIZE).....	Class 1/2/3/4 - 14" O.A.L.
P2-15-(SIZE).....	Class 1/2/3/4 - 15" O.A.L.
P2-16-(SIZE).....	Class 1/2/3/4 - 16" O.A.L.

P0-10

- Unlined goatskin leather
- Kevlar sewn
- Black woven cotton fabric hem
- Straight, reinforced thumb
- Inside elastic strip along the back of the wrist
- one inch wide leather palm overlay

P2

- Premium grain cowhide leather
- Kevlar sewn
- Straight, reinforced thumb
- Leather strap with quick release clasp along back of wrist
- one inch wide leather palm overlay

Insulating Rubber Sleeves

Manufactured using natural rubber in ISO manufacturing facilities the rubber insulating sleeves provided by Cementex Products Inc. are compliant with OSHA 1910.137, OSHA 1910.268, NFPA 70E®, CSA Z462, and exceed the ASTM D1051 standards for use around Electrical Hazards and Arc Flash Protection.

These sleeves offer the required dielectric properties combined with flexibility, strength, and durability. Sleeves are anatomically shaped thereby providing optimal comfort and range of motion. Sleeves are chlorinated for maximum comfort. Available in Regular, Large, and Extra Large in varying colors.

Insulating Rubber Sleeves share the Class Identification noted for Insulating Rubber Gloves.

Sleeve Kits Include: Insulating Rubber Sleeves, Sleeve Straps and Buttons, and Sleeve Bag.



SLV2

PN	DESC
SLV0-(SIZE).....	Class 0 Sleeves Only
SLVK0-(SIZE).....	Class 0 Sleeve Kit
SLV1-(SIZE).....	Class 1 Sleeves Only
SLVK1-(SIZE).....	Class 1 Sleeve Kit
SLV2-(SIZE).....	Class 2 Sleeves Only
SLVK2-(SIZE).....	Class 2 Sleeve Kit
SLVSTP-2.....	Sleeve Straps: 2" X 15" (1 Pair)
SLVSTP-4.....	Sleeve Straps: 2" X 15" (1 Pair)
SLVBUT-4.....	Sleeve Buttons (4 Pair)
SLVHB-2.....	Sleeve Harness with Buttons (1 Pair)

Low Voltage Insulating Blankets

Superior quality dielectric blankets are designed, manufactured, and tested in the USA in strict accordance to current ASTM D1048 specifications.

All Blankets measure 3' X 3' and share Class Identification noted for Insulating Rubber Gloves

Class 0 and Class 4 Blankets are both Type II: made of ozone-resistant EPDM synthetic rubber. Class 2, Type I Blanket is made of natural rubber.



PN _____ **DESC** _____

BL-C0..... Class 0 No Eyelets (Yellow)

BLK-C0..... Class 0 Blanket Kit

BL-C2..... Class 2 6 Eyelets (Black)

BLK-C2..... Class 2 Blanket Kit

BL-C4..... Class 4 6 Eyelets (Orange)

BLK-C4..... Class 4 Blanket Kit

BL-CLP..... Blanket Clamp Pins (Pair)

BL-CLP-HS.... Hot Stick Blanket Clamp Pins (Pair)

BL-MBT..... Magnetic Blanket Button

BL-PNS..... Two Way Button

BL-VBS..... Velcro Blanket Straps

BLK-SC4..... 4-1/2" I.D. Blanket Canister

BLK-SC6..... 6" I.D. Blanket Canister

BLK-SC7..... 7" I.D. Blanket Canister

BLK-SC7H..... 7" I.D. Blanket Canister with Handle

BLK-SC10H.... 10" I.D. Blanket Canister with Handle

*I.D. = Inside Diameter

Blanket Kits Include:
Blanket Clamp Pins (Pair)
and Canister (BLK-SC7).



Roll Blankets

Made from high strength fabric reinforced Type II rubber; Cementex Roll Blankets allow custom-cut fit for each application at the job site. Designed, manufactured, and tested in the USA in strict accordance to current ASTM F2320 specifications. Roll Blanket Shielding is highly puncture and tear resistant, as well as flame (self-extinguishing), oil, and ozone resistant.

PN _____ **DESC** _____

ESY-1..... Class 0 Full Roll: 3' X 30' (Yellow)

ESY-1-22X36.. Class 0 22" X 3' (Yellow)

ESY-1-2X3..... Class 0 2' X 3' (Yellow)

ESY-1-3X3..... Class 0 3' X 3' (Yellow)

ESY-1-3X3V.... Class 0 3' X 3' with Velcro (Yellow)

ESY-1-3X5..... Class 0 3' X 5' (Yellow)

ESY-1K..... Class 0 Full Roll Kit: 3' X 30' (Yellow)

ESY-1RF..... Class 0 By the foot X 3' wide (Yellow)

ESO-7.5..... Class 1 Full Roll: 3' X 30' (Orange)

ESO-7.5-3X3.. Class 1 2' X 3' (Orange)

ESO-7.5-3X5.. Class 1 3' X 3' (Orange)

ESO-7.5K..... Class 1 Full Roll Kit: 3' X 30' (Orange)

ESO-1RF..... Class 1 By the foot X 3' wide (Orange)

PVC-7.5..... Class 1 PVC Full Roll: 3' X 30' (Clear)

PVC-7.5K..... Class 1 PVC Full Roll Kit: 3' X 30' (Clear)

ES-CLAMP..... ElectroShield Clamp (Pair)

ES-CSB..... ElectroShield Carry/Storage Bag

Roll Blanket Shielding Kits
Include: Clamps (Pair)
and Carry/Storage Bag.



Blankets

Switchboard Matting

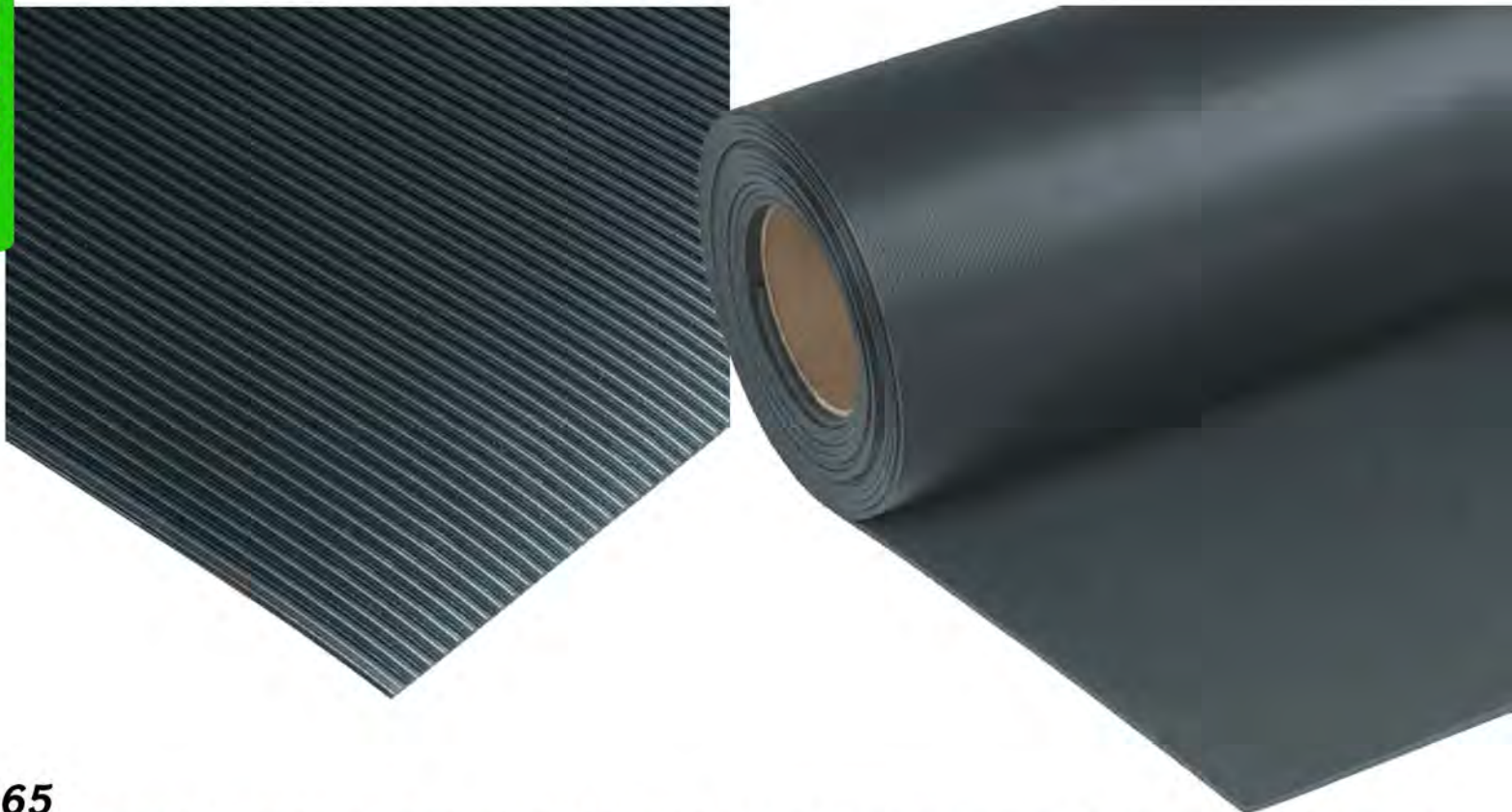
Switchboard matting is rubber matting designed to insulate workers in high voltage areas. It is used as a floor covering to prevent shock around high voltage electrical apparatuses, fuse boxes, switchgear, control panels, and heavy machinery. This matting meets and exceeds the parameters of ASTM D178. This matting is Type 1 Natural rubber which is non-oil resistant, non-ozoneresistant, and non-flame retardant.



PN	DESC
CPSM316-(SIZE).....	Class 1 3/16" Corrugated (Black)
CPSMDP316-(SIZE)..	Class 1 3/16" Diamond Plate (Black)
CPSM140-(SIZE).....	Class 2 1/4" Corugated (Black)
CPSM380-(SIZE).....	Class 3 3/8" Corrugated (Black)
CPSM120-(SIZE).....	Class 4 1/2" Corrugated (Black)
ESD3658.....	25mm Electrostatic Discharge Mat (36" X 58")

Switchboard Matting is available in a number of custom cut size variations. Full rolls of Class 1, 2, and 3 measure: 36" Wide X 75' Long. Full rolls of Class 4 measure: 36" Wide x 60' Long. Thicknesses vary based on class.

Corrugated Style



Canvas Storage Bags

Leave nothing to chance with the #1 insulating rubber product accessory. Canvas storage bags provide a secure location to protect your insulating equipment from potentially damaging and deteriorating agents.

PN _____ DESC _____

- CGB12.....12" Glove Storage Bag with Snap Closure
- CGB16.....16" Glove Storage Bag with Dual Snap Closure
- CGB20.....20" Glove Storage Bag with Dual Snap Closure
- ST-SLVB....Sleeve Storage Bag with Dual Snap Closure



Glove Liners

Used for added comfort, sizing adjustment, and moisture control—glove liners are a small addition that can make a big difference in your usability.

PN _____ DESC _____

- COTGLV..... 10" Cotton
- WOLGLV10.. 10" Wool



CPGI

Rubber Goods Cleaner

Cleanliness promotes safety. Encourage both with proper cleaning products that will not damage sensitive rubber goods.

PN _____ DESC _____

- CP1GC.....1 Gallon Liquid Cleaner
- CPGW-72D6.. Rubber Goods Wipes (Case)



Glove Talc

Pure comfort - no dangerous additives; designed for safe use with insulating goods. Will not damage Type I or Type II rubber.

PN _____ DESC _____

- CPGT-6SB..... 6 oz. Bottle
- CPGT-12CB....Case of 6 oz. Bottles (12)
- CPGT-1QC.....1 Quart Container (32 oz.)
- CPGT-4QC.....Case of Quart Containers (4)
- CPGT-1GC.....1 Gallon Bottle
- CPGT-5GC.....5 Gallon Container



CPGT-6SB

Glove Inflator

Easy-to-use design features non-slip base and allows for complete physical inspection of insulating rubber gloves as required by NFPA 70E and ASTM F496.

PN _____ DESC _____

- CPGI..... Glove Inflator
- CPGI-VS.... Accessory Velcro Strap

Hand Cleaners

Get the "clean" you require without damaging material that can be in those harsh cleansers.

PN _____ DESC _____

- CPHC-16SC... 16 oz. Bottle
- CPHC-12CC... Case of 16 oz. Bottles (12)
- CPTOWELS... Hand Cleaner Towelettes

Rubber Accessories

Arc Flash Protective Clothing

Some time ago OSHA identified Arc Flash and Arc Blast as being a significant hazard. Since that time OSHA determined that workers shall be provided with clothing that did not worsen their condition if exposed to this multi-hazard event.

As a result of this identification and directive to protect, experts throughout North America came together to generate a consensus standard which would determine levels of protection. These levels of protection have been adopted by NFPA 70E® and CSA Z462 and identified as Hazard Risk Categories (HRC).

It is important to understand that these Hazard Risk Categories are not designed to protect from all injury, but to mitigate the impact of an Arc Flash on the individual. The first choice should always be to reduce or eliminate the hazard.

The Hazard Risk Categories (HRC) identified below are derived from NFPA 70E® and CSA Z462 standards subject to periodic change. You should verify current requirements for your location and type of work to ensure compliance with local requirements and regulations.

*Refer to NFPA 70E® Annex M Layering of Protective Clothing and Total System Arc Rating for complete details on layering.



Hazard Risk Category 0

- Long sleeve shirt and long pants made of Nonmelting or Untreated Natural Fiber with a weight of at least 4.5 oz/yd²
- Safety glasses or goggles
- Hearing protection
- Heavy duty leather gloves



Hazard Risk Category 1

- Minimum Arc-Rating of 4 cal/cm²
- Arc-Rated long sleeve shirt and pants or Arc-Rated coverall.
- Arc-Rated face shield.
- Hard hat
- Safety glasses or goggles
- Hearing protection
- Heavy duty leather gloves
- Leather work shoes



Hazard Risk Category 2

- Minimum Arc-Rating of 8 cal/cm²
- Arc-Rated long sleeve shirt and pants or Arc-Rated coverall.
- Arc-Rated flash suit hood or Arc-Rated face shield and balaclava
- Hard hat
- Safety glasses or goggles
- Hearing protection
- Heavy duty leather gloves
- Leather work shoes



Hazard Risk Category 3

- Minimum Arc-Rating of 25 cal/cm²
- Total clothing system as it would be worn*
- Arc-Rated flash suit hood
- Hard hat
- Safety glasses or goggles
- Hearing protection
- Heavy duty leather gloves
- Leather work shoes



Hazard Risk Category 4

- Minimum Arc-Rating of 40 cal/cm²
- Total clothing system as it would be worn*
- Arc-Rated flash suit hood
- Hard hat
- Safety glasses or goggles
- Hearing protection
- Heavy duty leather gloves
- Leather work shoes

Sizing

Arc flash suits shall permit easy and rapid removal by the wearer. Clothing shall cover potentially exposed areas as completely as possible. Optimal protection can be achieved by selecting garments with ample room for movement and visibility. Size should not be excessive to a point where it becomes an interference.

Below are sizing charts relating to clothing available in this section. Utilize these charts for accurate sizing and fitting. Garments in this section identify with the corresponding sizing chart.

A

Coveralls/Lab Coats/Coats/Pants (Bib Overalls)

	S	M	L	XL	2X	3X
Chest (In.)	34-36	38-40	42-44	46-48	50-52	54-56
Inseam (In.)	Short=28" Regular=30" *Long=32" X-Long=34" *standard					

Work Shirts and Knit Shirts

	S	M	L	XL	2X	3X
Chest (In.)	34-36	38-40	42-44	46-48	50-52	54-56
Neck (In.)	14-14½	15-15½	16-16½	17-17½	18-18½	19-19½

B

User Body Measures

	S	M	L	XL	2X	3X	XL	XL
Chest (In.)	35	39	41	45	49	53	57	61
Waist (In.)	30	33	36	40	44	48	52	56

Vertical Measurements

Short: minus 1" on sleeve and body length and minus 2" on inseam length

Tall: plus 1" to sleeve and body length and plus 2" to inseam length

Short	from 5'7"	to	5'10"
Regular	from 5'10"	to	6'1"
Tall	from 6'1"	to	6'4"
X-Tall	from 6'4"	to	6'7"

C

Coveralls/Lab Coats/Coats/Pants (Bib Overalls)

	S	M	L	XL	2X	3X
Chest (In.)	34	36-38	40-42	44-46	48-50	52-54
Inseam (In.)	Short=28" Regular=30" *Long=32" X-Long=34" *standard					

Fabrics Comparison

Aramid / Nomex Fabrics	Protera Fabrics	FR Treated Cotton Fabrics
Inherently FR Mid-Weight Mid-Comfort High Durability High Initial Cost	Inherently FR Light Weight High Comfort High Durability Low Initial Cost	Treated Natural Fibers Light Weight High Comfort Mid Durability Low Initial Cost

T-Shirts



CFRT10LSK

- 6.5oz. Indura® Ultra Soft® FR Treated Cotton/Nylon Knit
- Comfortable / Breathable
- Generously Sized
- Left Breast Pocket Standard (except CFRT10LS-NP)
- Single needle tape trim neck seam.
- Available in S-5X



Indura Ultra Soft® FR Tee

PN _____ DESC _____
 CFRT10LS-NP-(SIZE).... 10.9 cal/cm² Long Sleeve (Navy)

Indura Ultra Soft® FR Pocket Tee

PN _____ DESC _____
 CFRT10SSG-(SIZE).....10.9 cal/cm² Short Sleeve (Gray)
 CFRT10SSMB-(SIZE).....10.9 cal/cm² Short Sleeve (Medium Blue)
 CFRT10SSN-(SIZE).....10.9 cal/cm² Short Sleeve (Navy)
 CFRT10SSO-(SIZE)..... 10.9 cal/cm² Short Sleeve (Orange)
 CFRT10LSG-(SIZE).....10.9 cal/cm² Long Sleeve (Gray)
 CFRT10LSK-(SIZE)..... 10.9 cal/cm² Long Sleeve (Khaki)
 CFRT10LSMB-(SIZE)..... 10.9 cal/cm² Long Sleeve (Medium Blue)
 CFRT10LSN-(SIZE).....10.9 cal/cm² Long Sleeve (Navy)
 CFRT10LSO-(SIZE).....10.9 cal/cm² Long Sleeve (Orange)



CFRTLK & CFRTSSG

- 6.3oz. PRO C-FR Treated Cotton
- Left Breast Pocket Standard
- Single needle tape trim neck seam.
- Available in S-5X



100% Knit Cotton FR Pocket Tee

PN _____ DESC _____
 CFRTSSG-(SIZE).... 12 cal/cm² Short Sleeve (Gray)
 CFRTSSK-(SIZE).... 12 cal/cm² Short Sleeve (Khaki)
 CFRTSSN-(SIZE).... 12 cal/cm² Short Sleeve (Navy)
 CFRTLK-(SIZE).... 12 cal/cm² Long Sleeve (Gray)
 CFRTLK-(SIZE).... 12 cal/cm² Long Sleeve (Khaki)
 CFRTLK-(SIZE).... 12 cal/cm² Long Sleeve (Navy)

Henley Shirts



CHLS2O



CHLS2NB

- Indura® Ultra Soft® FR Treated Cotton
- Full cut long sleeve with one left breast pocket
- Crew-Neck henley styling
- Three button neck placket
- Available in sizes S-5X
- Made in USA



PN _____ DESC _____
 CHLS2KH-(SIZE)..... 10.9 cal/cm² Long Sleeve (Khaki)
 CHLS2LB-(SIZE).....10.9 cal/cm² Long Sleeve (Light Blue)
 CHLS2NB-(SIZE)..... 10.9 cal/cm² Long Sleeve (Navy)
 CHLS2O-(SIZE)..... 10.9 cal/cm² Long Sleeve (Orange)

Daily Wear



C8LSWSB

"C Series" Long Sleeve Collared Button-up

- Indura® UltraSoft® FR Treated Cotton

PN _____ DESC _____

C5LSWSC-(SIZE).... 5 cal/cm² (Chambray)

C5LSWSK-(SIZE).... 5 cal/cm² (Khaki)

C8LSWSB-(SIZE).... 8 cal/cm² (Blue)

C8LSWSK-(SIZE).... 8 cal/cm² (Khaki)

C8LSWSN-(SIZE).... 8 cal/cm² (Navy)

C8FPLSB-(SIZE)..... 8 cal/cm² - Food Preparation(Blue)

C8FPLSN-(SIZE)..... 8 cal/cm² - Food Preparation(Navy)

"C Series" Deluxe Long Sleeve Collared Button-up

- 6oz. Protera® by Dupont

PN _____ DESC _____

C8LSWSPB-(SIZE).... 8 cal/cm² (Blue)

C5LSWSPK-(SIZE).... 8 cal/cm² (Khaki)



Hooded Sweatshirts

- Indura® Ultra Soft® FR Treated Cotton

PN _____ DESC _____

CHSS210-(SIZE)... 21 cal/cm² (Orange)

CHSS43-(SIZE).... 43 cal/cm² (Navy)



CHSS210

"C Series" Denim Jeans

- Indura® Denim
- Large Rear Pockets
- Bartacks in key stress areas

PN _____ DESC _____

C18DJ-(SIZE).... 18 cal/cm²



"C Series" Work Trousers

- Indura® Ultra Soft® - FR Treated Cotton
- Covered-zipper fly closure
- Non-metallic waist button closure
- Seven belt loops
- Two welted rear inset pockets
- two front slash pockets

PN _____ DESC _____

C11WT-(SIZE)..... 12 cal/cm² (Navy)

C11WTK-(SIZE)... 12 cal/cm² (Khaki)



"C Series" Duck Trousers

- Indura® Ultra Soft® - Duck

PN _____ DESC _____

C13DT-(SIZE)... 13 cal/cm² (Brown)



"E Series" Long Sleeve Collared Button-up

- 6oz. Protera® by Dupont
- 2 Chest Pockets with button down flap
- Button Cuffs
- Generous Shrit Tail
- Available in S-5XL in Regular, Short, Tall, and Extra Tall

PN _____ DESC _____

ES8LSWSMB-(SIZE).... 8 cal/cm² (Medium Blue)

ES8LSWSK-(SIZE)..... 8 cal/cm² (Khaki)

Denim Long Sleeve Collared Button-up

- Nomex® by Dupont

PN _____ DESC _____

DWLS8-(SIZE).... 8.3 cal/cm²

DWLS15-(SIZE)... 15 cal/cm²



All Daily wear pant options are available in 30-50 inch waist sizes and custom inseams (waist and inseams in 2 inch increments).

"E Series" Work Trousers

- Protera® by Dupont

PN _____ DESC _____

ES12WTNB-(SIZE)... 12 cal/cm² (Navy Blue)



Hazard Risk Category (HRC) 1



Lab Coat Features

- Constructed from 6oz. Nomex® IIIA
- Covered Snap front and cuffs
- Exterior breast pocket and two front lower pockets



Coverall Features

- Constructed from 4.5oz or 6oz. Nomex® IIIA
- Comfortable, sewn-in elastic waist
- Two-way covered zipper down front for easy entry
- Breast pockets with flaps and hidden snap closure
- Two large rear pockets
- Two front pockets with passthrough slashes for access to pants pockets
- All metal covered to ensure no contact with skin
- Standard inseams: 28", 30", or 32"

5.7 cal/cm² Nomex® Task Wear

B

PN	DESC
CN3LC-(SIZE).....	Lab Coat (Navy)
CN3CVL-(SIZE).....	Coverall (Navy)
CN3KLC-(SIZE).....	Lab Coat Kit (Navy)
CN3KCVL-(SIZE)...	Coverall Kit (Navy)

Kits include clothing noted plus

- 12 cal/cm² Helmet and Faceshield - 10 cal/cm² Balaclava Hood
- Safety Glasses, and Ear Canal Inserts - Standard Duffle Bag
- Insulating Rubber Glove Kit (optional)

4 cal/cm² Disposable Cleanroom Coverall with Hood

Made in USA

PN	DESC
CN3CT-(SIZE).....	Coverall with Hood (White)

B



Hazard Risk Category (HRC) 2

Task Wear HRC 1-2

8 cal/cm² "HRC Series"

FR Treated Cotton Task Wear

B



PN	DESC
HRC2-CT-(SIZE).....	Coat (Navy)
HRC2-OA-(SIZE).....	Pant/Bib (Navy)
HRC2-CVL-(SIZE).....	Coverall (Navy)
HRC2K-CVL-(SIZE).....	Pant/Bib (Khaki)
HRC2-K-(SIZE).....	Coat / Pant Duffle Bag Kit (Navy)
HRC2-CK-(SIZE).....	Coverall Duffle Bag Kit (Navy)
BPK-HRC2K-(SIZE).....	Coat / Pant Backpack Kit (Navy)
BPK-HRC2CK-(SIZE)...	Coverall Backpack Kit (Navy)
BPKW-HRC2K-(SIZE)...	Coat / Pant Backpack Kit* (Navy)
BPKW-HRC2K-(SIZE)...	Coverall Backpack Kit* (Navy)

"HRC Series" Backpack Kits include clothing noted plus:

- 12 cal/cm² Helmet and Faceshield - 12 cal/cm² Balaclava Hood
- Safety Glasses, and Ear Canal Inserts - Insulating Rubber Gloves and Protectors (optional) - TR-9ELK - 9pc Basic Electricians Tool Roll
- *Kit in Wheeled Backpack

"HRC Series" Duffle Bag Kits include clothing noted plus:

- 12 cal/cm² Helmet and Faceshield - 10 cal/cm² Balaclava Hood
- Safety Glasses, and Ear Canal Inserts - Insulating Rubber Glove Kit (optional)

Hazard Risk Category (HRC) 2

8.3 cal/cm² "Contractor Series" FR Treated Cotton Task Wear



A low cost series that is loaded with features:

- Two-way covered FR Velcro® open front for easy entrance and removal
- Large FR Velcro® leg openings and ankle strap allow access while wearing boots and length adjustment for superior fit
- 32" Standard inseam

PN _____ **DESC** _____
CCVL8-(SIZE)..... Coverall (Navy)

CSCAK-(SIZE)..... Coverall Kit (Navy) in a Standard Duffle Bag
CSTCAK-(SIZE).... Coverall Kit (Navy) plus Tools in a Standard Duffle Bag

CSBPK-(SIZE)..... Coverall Kit (Navy) in a Deluxe Backpack
CSTBPK-(SIZE).... Coverall Kit (Navy) plus Tools in a Deluxe Backpack

Kits include Clothing noted plus:

- 12 cal/cm² Helmet and Faceshield - 12 cal/cm² Balaclava Hood
- Safety Glasses, and Ear Canal Inserts - Insulating Rubber Glove Kit (optional)
- *Backpack Kits exclude Canvas Storage Bag - TR-9ELK - 9 Pc Basic Electricals Tool Roll (optio



CSBPK
with Class 0 Glove and Backpack option

8.3 cal/cm² "E Series" Nomex® Task Wear



- Two-way covered FR Velcro® open front for easy entrance and removal
- Large FR Velcro® leg openings and ankle strap allow access while wearing boots and length adjustment for superior fit
- 32" Standard inseam

PN _____ **DESC** _____
E8CVL-(SIZE)..... Coverall (Navy)

8.5 cal/cm² "E Series" Protera® Task Wear



- Two-way covered FR Velcro® open front for easy entrance and removal
- Large FR Velcro® leg openings and ankle strap allow access while wearing boots and length adjustment for superior fit
- 32" Standard inseam

PN _____ **DESC** _____
ES8CT-(SIZE)..... Coat (Medium Blue)
ES8PT-(SIZE)..... Pant/Bib (Medium Blue)
ES8CVL-(SIZE)..... Coverall (Medium Blue)

ES8.5K-(SIZE)..... Coat / Pant Duffle Bag Kit (Medium Blue)
ES8.5CK-(SIZE)..... Coverall Duffle Bag Kit (Medium Blue)

ES8KTBPk-(SIZE)... Coverall Backpack Kit (Medium Blue)

Kits include Clothing noted plus:

- 12 cal/cm² Helmet and Faceshield - 12 cal/cm² Balaclava Hood
- Safety Glasses, and Ear Canal Inserts - Insulating Rubber Glove Kit (optional)
- *Backpack Kits exclude Canvas Storage Bag - TR-9ELK - 9 Pc Basic Electricals Tool Roll (optional)



ES8CT

ES8PT



ES8CVL

Task Wear - HRC 2

Hazard Risk Category (HRC) 2

- FR Velcro® front closure provides for quick and easy donning and removal
- FR Velcro® calf and ankle straps for easy donning, removal, and adjustment while wearing boots
- Coverall includes elastic back for ease of movement
- Nomex knit cuffs on all coats and coveralls
- available in sizes S-5X with a standard inseam of 32"



12 cal/cm² "C Series" Indura® Ultra Soft® FR Treated Cotton Task Wear

A

PN	DESC
CCT12-(SIZE)	Coat (Navy)
CLC12-(SIZE)	Lab Coat (Navy)
CLCT12-(SIZE)	Long Coat (Navy)
CPK12-(SIZE)	Parka with Hood (Navy)
CPT12-(SIZE)	Pant/Bib (Navy)
CCVL12-(SIZE)	Coverall (Navy)
CLEG12-(SIZE)	Leggings (Navy)
CL2K-(SIZE)	Coat / Pant Duffle Bag Kit (Navy)
CFRLC12-(SIZE)	Lab Coat Duffle Bag Kit (Navy)
CFRLGC12-(SIZE)	Long Coat / Leggings Duffle Bag Kit (Navy)
CFRPK12-(SIZE)	Parka Duffle Bag Kit (Navy)
CFRCA12-(SIZE)	Coverall Duffle Bag Kit (Navy)
BPK-CL2K-(SIZE)	Coat / Pant Backpack Kit (Navy)
BPK-CFRLC12-(SIZE)	Lab Coat Backpack Kit (Navy)
BPK-CFRCA12-(SIZE)	Coverall Backpack Kit (Navy)
BPKW-CL2K-(SIZE)	Coat / Pant Backpack Kit* (Navy)
BPKW-CFRCA12-(SIZE)	Coverall Backpack Kit* (Navy)



"C Series" Backpack Kits include Clothing noted plus:

- 12 cal/cm² Helmet and Faceshield - 12 cal/cm² Balaclava Hood
- Safety Glasses, and Ear Canal Inserts - Insulating Rubber Gloves and Protectors (optional) - TR-9ELK - 9pc Basic Electricians Tool Roll - *Kit in Wheeled Backpack

"C Series" Duffle Bag Kits include clothing noted plus:

- 12 cal/cm² Helmet and Faceshield - 12cal/cm² Balaclava Hood
- Safety Glasses, and Ear Canal Inserts - Insulating Rubber Glove Kit (optional)



Task Wear - HRC 2



ES12PT



ES12CVL

12 cal/cm² "E Series" Protera® Arc Rated Task Wear

B



PN	DESC
ES12CT-(SIZE)	Coat (Navy)
ES12PT-(SIZE)	Pant/Bib (Navy)
ES12CVL-(SIZE)	Coverall (Navy)
ES12K-(SIZE)	Coat / Pant Kit (Navy)
ES12CK-(SIZE)	Coverall Kit (Navy)

"E Series" Duffle Bag Kits include clothing noted plus:

- 12 cal/cm² Helmet and Faceshield - 10 cal/cm² Balaclava Hood
- Safety Glasses, and Ear Canal Inserts
- Insulating Rubber Glove Kit (optional)

Hazard Risk Category (HRC) 2

20 cal/cm² "C Series" Indura® Ultra Soft®
Arc Rated Task Wear

A



PN _____ **DESC** _____

- CCT20-(SIZE)..... Coat (Navy)
- CLC20-(SIZE)..... Lab Coat (Navy)
- CPT20-(SIZE)..... Pant/Bib (Navy)
- CCVL20-(SIZE)..... Coverall (Navy)
- AFH20-C..... Arc Flash Hood (Navy)



21 cal/cm² "O Series" FR Treated Cotton
Arc Rated Task Wear

C



PN _____ **DESC** _____

- CS21CT-(SIZE)..... Coat (Navy)
- CS21PT-(SIZE)..... Pant/Bib (Navy)
- CS21OP-(SIZE)..... OverPant (Navy)
- CS21CVL-(SIZE)..... Coverall (Navy)
- CS21HOOD..... Arc Flash Hood (Navy)

- BPK-CS21K-(SIZE)..... Coat / Pant Kit (Navy)
- BPK-CS21CK-(SIZE).. Coverall Kit (Navy)

"O Series" Backpack Kits include clothing noted plus:

- Arc Flash Suit Hood - 24 cal/cm² Arc Rated Balaclava
- Safety Glasses, and Ear Canal Inserts - Insulating Rubber
- TR-9ELK - 9pc Basic Electricians Tool Roll
- Gloves and Protectors (optional)



Hazard Risk Category (HRC) 3

25 cal/cm² "E Series" Nomex®
Arc Rated Task Wear

B



PN _____ **DESC** _____

- ECA25-(SIZE)..... Parka with Hood (Blue)
- EFP25-(SIZE)..... Pant/Bib (Blue)
- E25CVL-(SIZE)..... Coverall (Blue)
- AFH25-C..... Arc Flash Hood (Blue)

- E25K-(SIZE)..... Coat / Pant Kit (Blue)
- E25CK-(SIZE)..... Coverall Kit (Blue)

"E Series" Kits include clothing noted plus:

- Arc Flash Suit Hood - Safety Glasses, and Ear Canal Inserts
- Insulating Rubber Gloves and Protectors (optional) - TR-9ELK - 9pc Basic Electricians Tool Roll



Task Wear - HRC 2-3

Hazard Risk Category (HRC) 3



ES30K



ES30CT



ES30PT



AFHP30-C



30 cal/cm² "E Series" Protera® B Arc Rated Task Wear

PN _____ DESC _____
 ES30CT-(SIZE)..... Coat (Khaki)
 ES30PT-(SIZE)..... Pant/Bib (Khaki)
 ES30CVL-(SIZE)... Coverall (Khaki)
 AFHP30-C.....Arc Flash Hood (Khaki)

ES30K-(SIZE)..... Coat / Pant Kit (Khaki)
 ES30CK-(SIZE)..... Coverall Kit (Khaki)

"E Series" Kits include clothing noted plus:
 - Arc Flash Hood - Safety Glasses, and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag

Task Wear - HRC 3



HRC3-OA



HRC3-CT



HRC3-K



HRC3-AFH-C

34 cal/cm² "HRC Series" FR Treated Cotton B Arc Rated Task Wear



PN _____ DESC _____
 HRC3-CT-(SIZE)..... Coat (Navy)
 HRC3-OA-(SIZE)..... Pant/Bib (Navy)
 HRC3-CVL-(SIZE)... Coverall (Navy)
 HRC3-AFH-C.....Arc Flash Hood (Navy)

HRC3-K-(SIZE)..... Coat & Pant Kit (Navy)
 HRC3-CK-(SIZE)..... Coverall Kit (Navy)

"HRC Series" Kits include clothing noted plus:
 - Arc Flash Hood - Safety Glasses, and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag

Hazard Risk Category (HRC) 4

40 cal/cm² "HRC Series" FR Treated Cotton Arc Rated Task Wear



- FR Hook and Loop front placket and wrist closure
- FR Hook and Loop calf closure for easy boot entry
- Two slash pockets with pass-through slashes for access to pants pockets
- available in sizes S - 5X

PN _____ DESC _____

- HRC4-CT-(SIZE).....Coat (Khaki)
- HRC4-OA-(SIZE).....Pant/Bib (Khaki)
- HRC4-CVL-(SIZE).....Coverall (Khaki)
- HRC4-AFH-C.....Arc Flash Hood (Khaki)
- HRC4-K-(SIZE)..... Coat and Pant Kit (Khaki)
- HRC4-CK-(SIZE).....Coverall Kit (Khaki)
- BPK-HRC4K-(SIZE)....*Coat and Pant Kit (Khaki)



- "HRC Series" Kits include Clothing noted plus:
- Arc Flash Hood - Safety Glasses and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag
- * Replace Standard Duffle with Deluxe Backpack
Optional Glove Kit will exclude Canvas Storage Bag

40 cal/cm² "C Series" Indura® Ultra Soft® FR Treated Cotton Arc Rated Task Wear



- **Coats:** Generous cut with FR Velcro® front placket closure and Nomex® knit wrists
- **Pant/Bib:** easily adjustable "quick disconnect" shoulder straps, two slash pockets for easy pant entry, FR Velcro® fly and calf/ankle closure for easy access and fit adjustment
- **Coverall:** enjoys the features of the coat and pant plus sewn-in elastic waist and breast pockets with hidden closures, and two large rear pockets

PN _____ DESC _____

- CCT40-(SIZE).....Coat 32" Length (Navy)
- CLCT40-(SIZE)..... Long Coat 49" Length (Navy)
- CPT40-(SIZE).....Pant/Bib (Navy)
- CCVL40-(SIZE)..... Coverall (Navy)
- CLEG40-(SIZE).....Legging (Navy)
- AFH40-FR.....Arc Flash Hood (Navy)
- CL4K-(SIZE)..... Coat / Pant Kit (Navy)
- CLRLCK-(SIZE)..... Long Coat and Legging Kit (Navy)
- CL4CK-(SIZE)..... Coverall Kit (Navy)
- BPK-CL4CK-(SIZE)....*Coverall Kit (Navy)

- "C Series" Kits include Clothing noted plus:
- Arc Flash Hood - Safety Glasses and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag
- * Replace Standard Duffle with Deluxe Backpack
Optional Glove Kit will exclude Canvas Storage Bag



40 cal/cm² "C Series" Protera® Arc Rated Task Wear



- Metal Free FR Hook and Loop front closure for easy entry
- Nomex® Knit wrists
- Generous cut with 32" standard inseam and available in sizes S - 5X



PN _____ DESC _____

- CP40CT-(SIZE).....Coat (Khaki)
- CP40PT-(SIZE).....Pant/Bib (Khaki)
- CP40CVL-(SIZE)..... Coverall (Khaki)
- AFHP40-C..... Arc Flash Hood (Khaki)
- CNP40K-(SIZE)..... Coat / Pant Kit (Khaki)
- CNP40CK-(SIZE).....Coverall Kit (Khaki)

- "C Series" Kits include Clothing noted plus:
- Arc Flash Hood - Safety Glasses and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag



Task Wear - HRC 4

Hazard Risk Category (HRC) 4



**40 cal/cm² "E Series" Nomex[®]
Arc Rated Task Wear**



**42 cal/cm² "E Series" Protera[®]
Arc Rated Task Wear**



PN _____ **DESC** _____
 ECA40-(SIZE)..... Coat (Green)
 EFP40-(SIZE)..... Pant/Bib (Green)
 E40CVL-(SIZE)... Coverall (Green)
 AFH40-C..... Arc Flash Hood (Green)



PN _____ **DESC** _____
 ES42CT-(SIZE)..... Coat (Navy)
 ES42PT-(SIZE)..... Pant/Bib (Navy)
 ES42CVL-(SIZE)... Coverall (Navy)
 AFHP42-C..... Arc Flash Hood (Navy)



E40K-(SIZE)..... Coat / Pant Kit (Green)
 E40CK-(SIZE)..... Coverall Kit (Green)

"E Series" Kits include clothing noted plus:
 - Arc Flash Hood - Safety Glasses, and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag

ES42K-(SIZE)..... Coat and Pant Kit (Navy)
 ES42CK-(SIZE)..... Coverall Kit (Navy)

"E Series" Kits include clothing noted plus:
 - Arc Flash Hood - Safety Glasses, and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag

RevoLite™ Ultra-Light-Weight Series NEW from Cementex



CRLCT40



CRLPT40



AFH40RL

Coat:

- Stand-up collar with Anti Microbial Performance Wear[®]
- Hook and Loop front closure
- Nomex[®] knit wrist cuffs
- Reglan Sleeve for increased mobility

Pant/Bib:

- Quick connect adjustable shoulder straps for easy access and removal
- FR hook and loop fly closure
- FR hook and loop leg opening for easy boot entry
- "Slash" pockets for access to pants pockets
- Rear Pocket

PN _____ **DESC** _____
 CRLCT40-(SIZE)..... Coat (Khaki)
 CRLPT40-(SIZE)..... Pant/Bib (Khaki)
 AFH40RL-FR..... Arc Rated Flash Hood (Khaki)
 CRL4K-(SIZE)..... Coat and Pant Kit (Khaki)

Kits include clothing noted plus:
 - Arc Flash Hood - Safety Glasses, and Ear Canal Inserts
 - Insulating Rubber Gloves and Protectors (optional) - Standard Duffle Bag

40 cal/cm² "O Series" **C**
UltraLite Arc Rated Task Wear



Hazard Risk Category (HRC) 4

PN	DESC
CUL40CT-(SIZE)	Coat (Navy)
CUL40LC-(SIZE)	Long Coat, 49" (Navy)
CUL40OP-(SIZE)	Overpant (Navy)
CUL40PT-(SIZE)	Pant/Bib (Navy)
CUL40CVL-(SIZE)	Coverall (Navy)
CUL40LEG-(SIZE)	Legging (Navy)
CUL40-AFH	Arc Rated Flash Hood (Navy)
CUL40-AFHV	Arc Rated Flash Hood with Vent Fan (Navy)

This break-thru in technology joins 2 different materials to form a highly protective garment that is 37% lighter in weight than typical 40 cal/cm² garments

- Coats:**
- Hook and Loop front closure
 - Nomex® knit wrist cuffs

- Pant/Bib:**
- Quick connect shoulder straps for easy access and removal (Bib)
 - FR hook and loop Hip Closure and ankle adjustment

CUL40K-(SIZE)	Coat and Pant/Bib Kit (Navy)
CUL40COPK-(SIZE)	Coat and Over Pant Kit (Navy)
CUL40LCK-(SIZE)	Long Coat and Legging Kit (Navy)
CUL40CK-(SIZE)	Coverall Kit (Navy)

BPK-CUL40K-(SIZE)	*Coat and Pant/Bib Kit (Navy)
BPK-CUL40COPK-(SIZE)	*Coat and Over Pant Kit (Navy)
BPK-CUL40LCK-(SIZE)	*Long Coat and Legging Kit (Navy)
BPK-CUL40CK-(SIZE)	*Coverall Kit (Navy)

"C Series" UltraLite Kits include Clothing noted plus:
 - Arc Flash Hood - Safety Glasses and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag
 * Replace Standard Duffle with Deluxe Backpack
 Optional Glove Kit will exclude Canvas Storage Bag



CUL40-AFH

CUL40CT

CUL40-AFHV

CUL40OP

CUL40PT

65 cal/cm² "E Series" Nomex® **B**
Arc Rated Task Wear



E65K

PN	DESC
ECA65-(SIZE)	Parka with Hood (Khaki)
EFP65-(SIZE)	Pant/Bib (Khaki)
E65CVL-(SIZE)	Coverall (Khaki)
AFH65-C	Arc Flash Hood (Khaki)

E65K-(SIZE)	Parka and Pant Kit (Khaki)
E65CK-(SIZE)	Coverall Kit (Khaki)

"E Series" Kits include Clothing noted plus:
 - Arc Flash Hood - Safety Glasses and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag



AFH140B-C

E140BK

EFP140B

ECA140B

100 cal/cm² "E Series" Nomex® **B**
Arc Rated Task Wear



AFH100-C

EFP100

ECA100

PN	DESC
ECA100-(SIZE)	Coat (Yellow)
EFP100-(SIZE)	Pant/Bib (Yellow)
AFH100-C	Arc Flash Hood (Yellow)

E100K-(SIZE)	Coat and Pant Kit (Yellow)
--------------	----------------------------

"E Series" Kits include Clothing noted plus:
 - Arc Flash Hood - Safety Glasses and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag

140 cal/cm² "E Series" Nomex® **B**
Arc Rated Task Wear

PN	DESC
ECA140B-(SIZE)	Coat (Black)
EFP140B-(SIZE)	Pant/Bib (Black)
AFH140B-C	Arc Flash Hood (Black)

E140BK-(SIZE)	Coat and Pant Kit (Black)
---------------	---------------------------

"E Series" Kits include Clothing noted plus:
 - Arc Flash Hood - Safety Glasses and Ear Canal Inserts
 - Insulating Rubber Gloves Kit (optional) - Standard Duffle Bag



Task Wear - HRC 4+

Eyes, Face, and Head



UVSG-42

Safety Glasses ANSI/ASSE Z87.1

- Clear UV absorbing lens
- Light weight

PN _____ DESC _____

- UVSG-42.....Standard Safety Glasses
- UVSG-44.....Over-Rx Glasses Safety Glasses
- UVSG-94.....CSA Rated Safety Glasses

Hard Hats ANSI/ISEA Z89.1

- Suspension Webbing (non-CSA) provides superior comfort and fit
- Quick and secure size adjustment



PN _____ DESC _____

- SHH-400.....Hard Hat with Ratcheting Size Adjustment (Orange)
- SHH-40R.....Hard Hat with Ratcheting Size Adjustment (Red)
- SHH-40W.....Hard Hat with Ratcheting Size Adjustment (White)
- SHH-40W-RT...Hard Hat with Rain Trough (Color by Request)
- SHH-40W-SP...Hard Hat with CSA Approved Side Impact Protection - CSA (Orange)
- SHH-EM.....Hard Hat with Earmuffs (Hard Hat Color by Request)



SHH-40W



CSH-FRK



Balaclava Sock Hoods ASTM F1506

- Comfort and coverage are key factors in the design of all Cementex balaclavas. They are an integral component of any Arc Flash PPE system

PN _____ DESC _____

- CSH-WR.....10 cal/cm² Nomex® (White)
- CSH-FRK..... 12 cal/cm² FR Treated Cotton Knit (Navy)
- CSH-WR15... 15 cal/cm² Nomex® (White)
- CSH-CXR..... 23 cal/cm² CarbonX® (Black)
- CSH-24N.....24 cal/cm² Indura® Ultra Soft® Knit (Navy)
- CSH-27CK... 27 cal/cm² Carbon/Kevlar (Color)
- CSH-45CX... 45 cal/cm² CarbonX® (Black)

Arc Rated Face Shield Accessories

PN _____ DESC _____

- CSF1000..... Face Shield Adaptor (White - Bullard Hard Hat)
- CSF3000..... Face Shield Adaptor (Gray - MSA Hard Hat)
- CSF4000..... Face Shield Adaptor (Blue - "Old" Oberon Hard Hat)
- CSF5000..... Face Shield Adaptor (Black - "Current" Oberon Hard Hat)

- AFS-SB..... Standard Face Shield Storage Bag
- AFS-DB..... Deluxe Face Shield Storage Bag



AFS-DB

AFS-SB

Face and Head PPE

Arc Rated Face Shields

Hundred Series ASTM F2178

- Molded shape provides minimal distortion
- Long length, chin cup, and sides provide superior coverage and protection
- Brow shield deflects impact of Arc Blast
- Exceptional Visible Light Transfer (VLT)
- "-8" Gray tint eliminates color distortions
- Made in USA



AFS-150

PN	DESC
AFS-100.....	12 cal/cm ² Arc Rated Face Shield with "MSA" Hard Hat adapters
AFS-105.....	12 cal/cm ² Arc Rated Face Shield with "Bullard" Hard Hat adapters
AFS-110.....	12 cal/cm ² Arc Rated Face Shield with "Oberon" Hard Hat adapters
AFS-125.....	12 cal/cm ² Arc Rated Face Shield with Ratcheting Head Gear (Does not meet NFPA 70E® or CSAZ462 Standards)
AFS-145.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat and EarMuff
AFS-150.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat (Cementex Standard)
AFS-150K.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat, 12 cal/cm ² FR Treated Cotton Balaclava, Safety Glasses, and Standard Face Shield Storage Bag
AFS-150NK.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat, 10 cal/cm ² Nomex® Balaclava, Safety Glasses, and Standard Face Shield Storage Bag
AFS-150S.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat and Chin Guard
AFS-200.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat and Standard Face Shield Storage Bag
AFS-250.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat and Deluxe Face Shield Storage Bag
AFS-NYLON KIT.....	Nylon Bolt and Nut Kit for 8 and 12 cal/cm ² Arc Rated Face
CDC-BLK.....	12 cal/cm ² Arc Rated Face Shield Replacement Chin Cup (Black)
CFF-500-BLK.....	12 cal/cm ² Arc Rated Face Shield Replacement Side Panels (Black)
CHIN CUP SCREW KIT...	12 cal/cm ² Arc Rated Face Shield 3pc Chin Cup Screw Set

12 Series ASTM F2178

- Lightweight
- High Visible Light Transfer (VLT)
- Durable Chin-cup



AFS-12CB



AFS-12HC

PN	DESC
AFS-12C.....	12 cal/cm ² Arc Rated Face Shield with "Snap Clip" Hard Hat Mounts (Cementex Standard)
AFS-12U.....	12 cal/cm ² Arc Rated Face Shield with Universal Hard Hat Mount (Cementex Standard)
AFS-12FB.....	12 cal/cm ² Arc Rated Face Shield for use with Full Brim Hard Hat
AFS-12HC.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat
AFS-12HC-SB.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat and Standard Face Shield Storage Bag
AFS-12HC-DB.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat and Delux Face Shield Storage Bag
AFS-12HK.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat, 12 cal/cm ² FR Treated Cotton Balaclava, Safety Glasses, and Standard Face Shield Storage Bag
AFS-12HK0.....	AFS-12HK with Class 0 Insulating Rubber Glove Kit
AFS-12HK2.....	AFS-12HK with Class 2 Insulating Rubber Glove Kit
AFS-12HKN.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat, 10 cal/cm ² Nomex® Balaclava, Safety Glasses, and Standard Face Shield Storage Bag
AFS-12HNK0.....	AFS-12HKN with Class 0 Insulating Rubber Glove Kit
AFS-12HNK2.....	AFS-12HKN with Class 2 Insulating Rubber Glove Kit
AFS-12HU.....	12 cal/cm ² Arc Rated Face Shield with Universal Hard Hat Mount and Hard Hat
AFS-12HU2.....	12 cal/cm ² Arc Rated Face Shield with Universal Hard Hat Mounts and Side Impact Hard Hat (CSA Requirement)
AFS-12SB.....	12 cal/cm ² Arc Rated Face Shield with Hard Hat and Standard Face Shield Storage Bag
AFS-23K.....	12 cal/cm ² Arc Rated Face Shield with Universal Hard Hat Mounts, 23 cal/cm ² CarbonX® Balaclava, Safety Glasses, and Standard Face Shield Storage Bag
AFS-12CB.....	12 Series Face Shield "Snap Clip" Bracket
AFS-12UB.....	12 Series Face Shield Universal Hard Hat Mount Bracket
AFS-12UC.....	12 Series Flash Shield Chin Cup
AFS-12UL.....	12 Series Replacement Lens



AFS-12U

Face Shields

Arc Rated Arc Flash Suit Hoods



- Anti-fog faceshield
- One size fits all



12 cal/cm² "C Series" ASTM F2178

PN _____ DESC _____
 AFH-12C..... 12 cal/cm² Indura® Ultra Soft® FR Treated Cotton
 AFH-12HC.... 12 cal/cm² Indura® Ultra Soft® FR Treated Cotton with Hard Hat



20 cal/cm² "C Series" ASTM F2178

PN _____ DESC _____
 AFH20-C..... 20 cal/cm² FR Treated Cotton
 AFH20-HVS.... 20 Flash Suit Hood with Vent Fan



21 cal/cm² "O Series" ASTM F2178

PN _____ DESC _____
 CS21HOOD..... 22 cal/cm² FR Treated Cotton



- Excellent visibility (VLT)
- Includes Hardhat



25 cal/cm² "E Series" ASTM F2178

PN _____ DESC _____
 AFH25-C..... 25 cal/cm² Aramid® Inherently FR
 AFH25-C-RL... 25 cal/cm² Aramid® Inherently FR with Vent Fan
 AFH25-HVS.... "E Series" 25 cal/cm² Replacement Lens



30 cal/cm² "E Series" ASTM F2178

PN _____ DESC _____
 AFHP30-C..... 30 cal/cm² Protera®
 AFHP30-HVS... 30 cal/cm² Protera® with Vent Fan



34 cal/cm² "HRC Series" ASTM F2178

PN _____ DESC _____
 HRC3-AFH-C..... 34 cal/cm² FR Treated Cotton
 HRC3-AFH-R..... 34 cal/cm² FR Treated Cotton with Ratcheting Head Gear
 HRC3-AFH-HVS. 34 cal/cm² FR Treated Cotton with Vent Fan

Hoods

Arc Rated Arc Flash Suit Hoods



40 cal/cm² "E Series" ASTM F2178

PN _____ DESC _____
 AFH40-C..... 40 cal/cm² Nomex®
 AFH40-HVS... 40 cal/cm² Nomex® with Vent System
 AFH40-C-RL.. "E Series" 40 cal/cm² Replacement Lens



40 cal/cm² "O Series" UltraLite

PN _____ DESC _____ ASTM F2178
 CUL40-AFH..... 40 cal/cm² UltraLite Hood
 CUL40-AFHV... 40 cal/cm² UltraLite Hood with Vent System
 CUL40-VU..... UltraLite Hood Ventilation Unit Only
 CUL40-UH..... 40 cal/cm² UltraLite Shell Only

- 37% Lighter
- Anti-Fog Faceshield
- New Vent Fan technology

- Break-thru in technology joins 2 different materials to form a highly protective garment.



40 cal/cm² "C Series" ASTM F2178

PN _____ DESC _____
 AFH40FR-C..... 40 cal/cm² Indura® Ultra Soft® FR Treated Cotton
 AFH40-FR..... 40 cal/cm² Indura® Ultra Soft® FR Treated Cotton
 with ratcheting head gear
 AFH40-FR-FAN... 40 cal/cm² Indura® Ultra Soft® FR Treated Cotton
 with Vent Fan
 AFH40FR-C-RL... "C Series" 40 cal/cm² Replacement Lens

- Anti-Fog Faceshield



- Multi-layer Protera®
- Anti-Fog Faceshield



40 cal/cm² "C Series" ASTM F2178

PN _____ DESC _____
 AFHP40-C..... 40 cal/cm² Protera®
 AFH40PFAN... 40 cal/cm² Protera® with Vent Fan



40 cal/cm² "HRC Series" ASTM F2178

PN _____ DESC _____
 HRC4-AFH-C..... 40 cal/cm² FR Treated Cotton
 HRC4-AFH-HVS. 40 cal/cm² FR Treated Cotton with Vent Fan

- Energy absorbing Polycarbonate Lens
- 51% Visible Light Transmission (VLT)
- Scratch Resistant Coating
- Anti-Fog Faceshield



42 cal/cm² "E Series" ASTM F2178

PN _____ DESC _____
 AFHP42-C..... 42 cal/cm² Protera®
 AFHP42-HVS. 42 cal/cm² Protera® with Vent Fan
 AFH42-C-RL.. "E Series" 42 cal/cm² Replacement Lens



Hoods

Arc Rated Arc Flash Suit Hoods and Arc Goggles



65 cal/cm² "E Series" ASTM F2178

PN _____ DESC _____
 AFH65-C..... 65 cal/cm² Nomex®
 AFH65-HVS... 65 cal/cm² Nomex® with Vent Fan
 AFH65-C-RL.. 65 cal/cm² "E Series" Replacement Lens



100 cal/cm² "E Series" ASTM F2178

PN _____ DESC _____
 AFH100-C..... 100 cal/cm² Nomex®
 AFH100-HVS.. 100 cal/cm² Nomex® with Vent Fan
 AFH100-C-RL. 100 cal/cm² "E Series" Replacement Lens



140 cal/cm² "E Series" ASTM F2178

PN _____ DESC _____
 AFH-140B-C..... 140 cal/cm² Nomex®
 AFH-140B-HVS... 140 cal/cm² Nomex® with Vent Fan
 AFH140B-C-RL... 140 cal/cm² "E Series" Replacement Lens

"HRC" and "C Series"



Accessories

PN _____ DESC _____
 CP4B-CS-BELT... Long Hose Belt Mount Cooling System
 CP4B-CS-HOOD.. Hood Mount Cooling System
 CSF4B..... Arc Hood Face Shield Buttons(4)

Arc Rated Goggles

Not designed to comply with NFPA 70E® and CSA Z462 Standards



AFG-38



AFG-45



AFGS-27



AFGS-45

- Optically correct dual layer lens
- hard coated outer polycarbonate lens
- anti-fog treated inner propionate lens
- Silicone Frame and Strap fit over most safety glasses and are easily adjustable while wearing gloves
- Protective nose shield (Medium Energy Goggle)
- Designed for use with appropriately designed and rated Balaclava Hood
- Tested Per ASTM F2718



PN _____ DESC _____
 AFG-38..... 38 cal/cm² Medium Energy Goggle
 AFGS-27.... 27 cal/cm² Medium Energy Goggle System
 Includes 38 cal/cm² Goggle and 27 cal/cm² Carbon Kevlar Balaclava
 AFG-45..... 45 cal/cm² High Energy Goggle
 AFGS-45.... 45 cal/cm² High Energy Goggle System
 Includes 45 cal/cm² Goggle and 45 cal/cm² CarbonX® Balaclava

Cold Weather Outer Wear

11 cal/cm² Outdoor Parka ASTM F1506



PN _____ DESC _____
 C110PKH-(SIZE)..... 11 cal/cm² Hooded Parka with Velcro® Closure
 C110ZPKH-(SIZE)... 11 cal/cm² Hooded Parka with Zipper Closure



47 cal/cm² Bomber Jacket ASTM F1506



- Elastic and ribbed-knit bottom sides for snug fit
- Large metal zipper with storm flap
- Front slit pockets
- Inset knit wrists
- Small cargo breast pocket on left side
- 30" length

PN _____ DESC _____
 CBJ47-(SIZE)... 47 cal/cm² Indura® Ultra Soft® Duck

"O Series" Cold Weather Wear ASTM F1506



PN _____ DESC _____
 OWFRPKBR-(SIZE)... 40 cal/cm² FR Treated Cotton Parka with Hood (Brown)
 OWFRPTBR-(SIZE)... 40 cal/cm² FR Treated Cotton Pant/Bib (Brown)
 OWFRPKNB-(SIZE)... 47 cal/cm² FR Treated Cotton Parka with Hood (Navy)
 OWFRPTNB-(SIZE)... 47 cal/cm² FR Treated Cotton Pant/Bib (Navy)
 OWNPKNB-(SIZE)..... 48.2 cal/cm² Nomex® Parka with Hood (Navy)
 OWNPTNB-(SIZE)..... 48.2 cal/cm² Nomex® Pant/Bib (Navy)

"E Series" Cold Weather Wear ASTM F1506



PN _____ DESC _____
 E61WV-(SIZE)..... 61 cal/cm² Inherently FR Winter Vest (Orange)
 E61WHJ-(SIZE)..... 61 cal/cm² Inherently FR Winter Jacket (Orange)
 E61WCT-(SIZE).... 61 cal/cm² Inherently FR Winter Coat (Orange)
 E61WHD-(SIZE).... 61 cal/cm² Inherently FR Winter Hood (Orange)
 E61WPT-(SIZE)..... 61 cal/cm² Inherently FR Winter Pant/Bib (Orange)
 E61WCVL-(SIZE).. 61 cal/cm² Inherently FR Winter Coverall (Orange)
 E61WV-(SIZE)..... 70 cal/cm² FR Treated Cotton Winter Vest (Orange)
 E61WHJ-(SIZE)..... 70 cal/cm² FR Treated Cotton Winter Vest (Orange)
 E61WCT-(SIZE).... 70 cal/cm² FR Treated Cotton Winter Vest (Orange)
 E61WHD-(SIZE).... 70 cal/cm² FR Treated Cotton Winter Vest (Orange)
 E61WPT-(SIZE)..... 70 cal/cm² FR Treated Cotton Winter Vest (Orange)
 E61WCVL-(SIZE).. 70 cal/cm² FR Treated Cotton Winter Vest (Orange)



Outer Wear



Arc Rated Rainwear

Specifically designed for arc flash exposure and to minimize body burn percentage while exposed to extreme open flame hazards also known as flash fires. It is one of the most advanced systems in the safety apparel industry with its certification to both ASTM F1891 and ASTM F2733 standards.

Premium 10 oz/yd² FR Polyurethane (PU) moisture barrier with FR cotton weft knit fabric offers light weight, stretchable comfort that combines superior arc rating with hi-vis protection. FR Polyurethane (PU) is durable, flexible, and will not become brittle with age.



Jacket and Trench

Coat:

- Contoured collar with tuck away attached hood
- FR hook and loop wrist cuff adjusters
- Two reinforced front patch pockets with FR hook and loop closure
- FR mesh back vent allows for maximum airflow and breathability
- D-Ring opening for use with fall protection harness
- 360° Hi-Vis reflective striping
- Yellow selections are rated at 19 cal/cm²
- Orange selections are rated at 21.6 cal/cm²

ANSI 107 Class 3, Level 2

PN	DESC
CHVRJ3-(SIZE).....	30" Jacket (Yellow)
CHVRJ30-(SIZE)....	30" Jacket (Orange)
CHVRT3-(SIZE).....	48" Trench (Yellow)
CHVRT30-(SIZE)...	48" Trench (Orange)

ANSI 107 Class 2, Level 2

PN	DESC
CHVRJ2-(SIZE).....	30" Jacket (Yellow)
CHVRJ20-(SIZE)....	30" Jacket (Orange)

Pant and Bib

ANSI Class E, Level 2

Pant and Bib:

- Elastic waist (Pant)
- Quick release suspender system (Bib)
- Front snap fly closure
- FR hook and loop leg cuff adjuster
- 360° Hi-Vis reflective striping
- Yellow selections are rated at 19 cal/cm²
- Orange selections are rated at 21.6 cal/cm²

PN	DESC
CHVOY-(SIZE).....	Bib Overall (Yellow)
CHVOO-(SIZE).....	Bib Overall (Orange)
CHVEWY-(SIZE)....	Elastic Waist Pant (Yellow)
CHVEWO-(SIZE)....	Elastic Waist Pant (Orange)

Thermal Protective Gloves

Heat Resistant Gloves

PN _____ DESC _____
CP-ATX20... Heat Resistant Knit Glove (One size fits most)



Arc Flash Gloves

PN _____ DESC _____
ARC40-GLV... 40 cal/cm² Arc Flash Gloves (One size fits most)



ARC40-GLV

Thermographer Gloves

PN _____ DESC _____
GT8(SIZE).....8 cal/cm² Thermographer Gloves
GT15(SIZE).... 15 cal/cm² Thermographer Gloves
GT40(SIZE)... 40 cal/cm² Thermographer Gloves
GT65(SIZE)... 65 cal/cm² Thermographer Gloves
GT100(SIZE)..100 cal/cm² Thermographer Gloves



GT65

kA Rated Arc Suppression Blankets

PN _____ DESC _____
ASB-4X5-15... 15kA Arc Blanket: 4' X 5'
ASB-4X5-25...25kA Arc Blanket: 4' X 5'
ASB-4X5-40.. 40kA Arc Blanket: 4' X 5'
ASB-5X8-15... 15kA Arc Blanket: 5' X 8'
ASB-5X8-25.. 25kA Arc Blanket: 5' X 8'
ASB-5X8-40.. 40kA Arc Blanket: 5' X 8'



- The 15KA blanket is constructed of non-combustible material. It will not ignite and burn even if flame is applied directly to the fabric.
- The 25KA blanket is primarily made of FR Kevlar®. Kevlar will burn as long as there is a source of ignition, i.e., flame from arc or burning pieces of insulation.
- Always store the blanket out of sunlight and keep clean.

There are no industry standards for testing arc suppression blankets, one manufacturer utilized the following method:

- A 750 KCMIL cable with a 3mm splice, supported horizontally 2' off the floor on brackets, was placed 6" away from a solid vertical wall. The blanket was mounted parallel to and 12" from the back wall, with the splice 6" from the back surface of the blanket. The blanket is held in place by straps with adjustable brackets.
- To create a fault, a sheetrock screw was screwed into the splice and ground wire connected to the protruding screw. The cable was energized with 13KV with a fault current of 7000A clearing time of 8 cycles. The purpose of the test is to ensure that the multiple layered arc suppression blanket redirects the energy (thermal and blast) to the sides and up-not out toward the individual. The blanket must not allow the thermal energy to burn through all the layers. It must also not have particles of the splice and molten metal penetrate the blanket. Most of the damage to the blanket is in the general area of the splice, a circle 6"-12" in diameter.

Hi-Vis Vests

- FR Hi-Vis Fabrics: woven or modacrylic/kevlar mesh
- Available with plastic Vislon® front zipper or FR hook and loop closure
- 2" Reflective Striping



Mesh - ASTM 1506--02a - OSHA 29 CFR 1010.269 - NFPA 70E®

PN	DESC
CHVMV2Z-(SIZE)	5.1 cal/cm ² ANSI Class 2 Hi-Vis Mesh Vest with Zippered Closure
CHVMV2V-(SIZE)	5.1 cal/cm ² ANSI Class 2 Hi-Vis Mesh Vest with Velcro® Closure
CHVMV3Z-(SIZE)	5.1 cal/cm ² ANSI Class 3 Hi-Vis Mesh Vest with Zippered Closure
CHVMV3V-(SIZE)	5.1 cal/cm ² ANSI Class 3 Hi-Vis Mesh Vest with Velcro® Closure

Woven - ASTM 1506-10a - OSHA 29 CFR 1010.269 - NFPA 70E®

PN	DESC
CHVWV2Z-(SIZE)	8 cal/cm ² ANSI Class 2 Hi-Vis Woven Vest with Zippered Closure
CHVWV2V-(SIZE)	8 cal/cm ² ANSI Class 2 Hi-Vis Woven Vest with Velcro® Closure
CHVWV3Z-(SIZE)	8 cal/cm ² ANSI Class 3 Hi-Vis Woven Vest with Zippered Closure
CHVWV3V-(SIZE)	8 cal/cm ² ANSI Class 3 Hi-Vis Woven Vest with Velcro® Closure

Cooling Vests



PN	DESC
CCV-ARC-(SIZE)	Jacket Style Cooling Vest (Includes 1 set of 8 cooling packs)
CCV-PVR-(SIZE)	Pullover Style Cooling Vest (Includes 1 set of 8 cooling packs)
CCV-PK	Replacement Cooling Pack (1 Pack)
CCV-PKS	Cooling Pack Set (8 Packs)

- FR Cooling vest MUST be used in conjunction WITH AND under the appropriate arc flash protection.
- Vest is NOT intended as primary arc flash protection.
- Vest is NOT Arc Rated due to the limited surface area it covers.
- Each vest comes with one set of eight (8) cooling packs
- Cooling time approximately one (1) hour. Cooling time may vary depending on ambient temperature and exertion level of wearer.
- Cooling packs may be placed in Freezer or Ice water for activation
- Regular size fits 5' - 5'10". Tall size fits 5'11" and up.

Fall Harness



PN	DESC
ARC-HARNESS	Arc Flash Fall Harness

Protects workers from falls caused by electric arc-flash and/or arc-blast exposure when working at heights or in confined space applications near energized electrical sources.

Hi-Vis / Fall / Cool



FRAB

Belts

PN _____ DESC _____
 FRAB(SIZE)....FR Kevlar® Adjustable Belt

Clothing Repair Kits

PN _____ DESC _____
 C11IUSRK.....12 cal/cm² FR Treated Cotton Repair Kit
 CP-RPK12.....12 cal/cm² Protera® Repair Kit

Hearing Protection

PN _____ DESC _____
 EARPLUG.....Classic Ear Canal Insert (Pair)
 EARPLUGS-25 PACK.... Classic Ear Canal Insert (25 Pair)
 ARC-EARPLUG.....Arc Blast Protective 2-sided Ear Canal Inserts (Pair)
 CP-EARMUFF-HB..... Earmuffs with Headband
 CP-EARMUFF-HH..... Earmuffs with Hardhat Adapters



EARPLUG



ARC-EARPLUG

FR Socks

PN _____ DESC _____
 FR-SOCKS..... FR socks (Pair)
 CFR-SCK.....FR socks (Pair)

Hair Net

PN _____ DESC _____
 CFRHN-G..... Nomex® Hair Net (Gray)

Beard Net

PN _____ DESC _____
 CFRBN-G..... Nomex® Beard Net (Gray)



CFRHN-G and CFRBN-G

Neck Shade

PN _____ DESC _____
 CFRBN-G..... 11 cal/cm² FR Treated Cotton (Navy)

Arc Rated Long Underwear

PN _____ DESC _____
 FRLG-(SIZE).....4.8 cal/cm² Arc Rated Long Underwear (White)

Arc Rated Sports Bra

PN _____ DESC _____
 FRB-(SIZE).....12 cal/cm² FR Sports Bra (Navy)

Arc Rated Ladies Briefs

PN _____ DESC _____
 FRP-(SIZE).....13 cal/cm² FR Ladies Brief (Navy)



FRLG

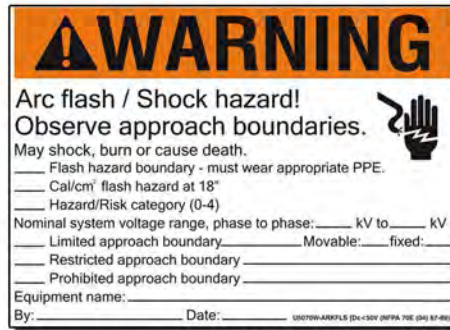
Specialty Accessories

Signs and Labels

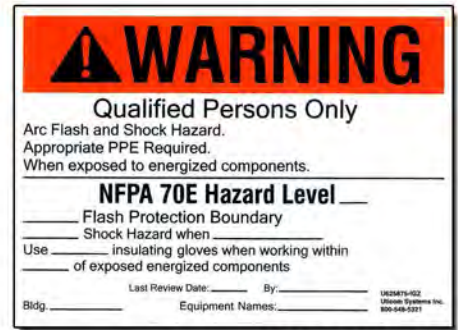
PN _____ DESC _____
 CP-AFWL.....Arc Flash Warning Label
 CP-AFWL-AB.....Approach Boundary Arc Flash Warning Label
 CP-AFWL-QP.....Qualified Persons Arc Flash Warning Label



CP-AFWL



CP-AFWL-AB



CP-AFWL-QP



Barricades

PN _____ DESC _____
 CHVBS-4C3B..... 7 Piece Barricade System
 CP-BTC-6840.... Barricade Traffic Cone
 CP-SBB-6850.... Sliding Barricade Bar
 CP-BSCS-6851... Snap On Caution Sign
 CP-BSDS-6852.. Snap On Danger Sign

Specialty Boxes and Bags

PN _____ DESC _____
 ST-SLVB..... Sleeve Storage Bag
 CGB12..... 14" Canvas Glove Storage Bag with single snap closure and belt hook
 CGB16..... 16" Canvas Glove Storage Bag with double snap closure and belt hook
 CGB20..... 20" Canvas Glove Storage Bag with double snap closure and belt hook

ST-HSB-4..... 4'4" Hi-Vis Hot-Stick Storage bag with dual snaps
 ST-HSB-6..... 4'4" Hi-Vis Hot-Stick Storage bag with dual snaps
 ST-HSB-8..... 4'4" Hi-Vis Hot-Stick Storage bag with dual snaps
 ST-HSB-10... 4'4" Hi-Vis Hot-Stick Storage bag with dual snaps
 ST-HSB-12... 4'4" Hi-Vis Hot-Stick Storage bag with dual snaps
 ST-HSB-13... 4'4" Hi-Vis Hot-Stick Storage bag with dual snaps
 ST-HSB-14... 4'4" Hi-Vis Hot-Stick Storage bag with dual snaps

ST-HVBSB... Hi-Vis Barricade System Storage Bag
 AFS-SB..... Arc Face Shield Storage Bag
 AFS-DB..... Deluxe Arc Face Shield Storage Bag



ST-HSB-4



AFS-DB



AFS-SB



Specialty Accessories

Bags

- PN _____ DESC _____
- ST-DBS.....Standard Duffel Bag (Orange with Black Handles)
- ST-DBD.....Deluxe Duffel Bag with Reinforced Bottom (Yellow with Black Handles)
- ST-BPD.....Deluxe Backpack with 5 separate compartments
- ST-BPDW.....Wheeled Deluxe Backpack with 5 separate compartments
- ST-THBS.....T-Handle Bag, Standard
- ST-THBL.....T-Handle Bag, Long
- ST-ZTB11x15.....Zippered Tool Bag, 11" X 15" (Red and Black)
- ST-ZTB10x19.....Zippered Tool Bag, 10" X 19" (Khack and Black)



Pouches

- PN _____ DESC _____
- ST-AKPS.....Hex Key Pocket Pouch
- ST-BP.....Belt Pouch
- ST-SDNDP6XL... Driver Roll Pouch 6 Pkt
- ST-SDNDP8XL... Driver Roll Pouch 8 Pkt
- ST-SDNDP12XL... Driver Roll Pouch 12 Pkt
- ST-TR8.....Tool Roll Pouch 8 Pkt (8 Pliers)
- ST-TR9.....Tool Roll Pouch 9 Pkt (4 Pliers / 5 Drivers)
- ST-TR10.....Tool Roll Pouch 10 Pkt (5 Pliers / 5 Drivers)
- ST-TR11.....Tool Roll Pouch 11 Pkt (4 Pliers / 7 Drivers)
- ST-TR12.....Tool Roll Pouch 12 Pkt (6 Pliers / 6 Drivers)
- ST-TR12MRSK.... MR Tool Roll Pouch 12 Pkt (5 Pliers / 7 Drivers)

- ST-WP8.....Wrench Roll Pouch 8 Pkt
- ST-WP11.....Wrench Roll Pouch 11 Pkt
- ST-WP13.....Wrench Roll Pouch 13 Pkt

- ST-ZP.....Zippered Pouch
- ST-EPZP.....Zippered Plier Pouch (6 Pliers Holsters)

- ST-SP12-12.....Pkt Pouch 12, ISS12-12L
- ST-SP14.....1/4" SqDr Skt Set Pouch



Boxes/Cases

- PN _____ DESC _____
- ST-ZSC8.....Zippered Soft Case 8
- ST-ZSC16..... Zippered Soft Case 16
- ST-ZSC30..... Zippered Soft Case 30
- ST-DLX-TC.....Deluxe Tool Case
- ST-DLX-TCW.... Deluxe Tool Case with Wheels
- ST-BMS..... Blow Molded Case, Small
- ST-BML.....Blow Molded Case, Large
- ST-SC501..... Snap Closure Case 501, 10-3/8" X 4-5/8" X 2-1/2"
- ST-SC601..... Snap Closure Case 601, 14" X 6-1/4" X 2-1/2"
- ST-SC701..... Snap Closure Case 701, 17-1/2" X 7-3/4" X 2-1/2"
- ST-TBP20.....20" Tool Box (Gray)
- ST-TBC26..... 26" Tool Box (Dark Gray)



Storage

Storage

Testing and Recertification Services

In order to maintain compliance with requirements established by OSHA 1910.137(b)(2)(vii), NFPA 70E® and CSA Z462; Rubber Insulating Products shall be subjected to periodic electrical tests in accordance with the ASTM standard identified in the chart below.

As an Associate Member of THE ASSOCIATION OF NORTH AMERICAN INDEPENDENT LABORATORIES FOR PROTECTIVE EQUIPMENT TESTING (NAIL for PET), You are assured that testing of these protective devices is performed as it should be. Cementex insures all testing devices are properly calibrated and all tests are performed as required by the corresponding ASTM Standard

Rubber Insulating Equipment	When to Test	Governing Standard for Test Voltage
Blankets	Before first issue; every 12 months thereafter†	ASTM F 479
Covers	If insulating value is suspect	ASTM F 478
Gloves	Before first issue; every 6 months thereafter	ASTM F 496
Line Hose	If insulating value is suspect	ASTM F 478
Sleeves	Before first issue; every 12 months thereafter	ASTM F 496



Rubber Insulating Product Testing

PN _____ DESC _____
 CPT-GLV.....Glove Testing, All Classes
 CPT-BLK.....Blanket Testing, All Classes (36" X 36")
 CPT-SLV..... Sleeve Testing , All Classes
 CPT-LH..... Line Hose, Per 6 foot length
 CPT-OS..... Overshoe Testing, Standard

Hot Stick and Insulated Equipment Testing

PN _____ DESC _____
 CPT-HS.....Fixed Length Sticks (Up to 10 Feet)
 CPT-HSAF... Fixed Length Sticks (Each additional Foot over 10 Feet)
 CPT-CS.....Shotgun Sticks (Up to 10 Feet)
 CPT-CSAF... Shotgun Sticks (Each additional Foot over 10 Feet)
 CPT-THS..... Telescoping Sticks (Per Telescopic Section)

Torque Wrench Recalibration and Recertification Services

PN _____ DESC _____
 CPT-TW..... Torque Wrench, Recalibration and Recertification (excludes any repair costs)
 CPT-TS..... Torque Screwdriver, Recalibration and Recertification (excludes any repair costs)

Testing Services



In 2012 we installed a 99kW solar system to help power our facility. Coupled with the additional upgrades we have made to high efficiency HVAC and lighting systems, we now receive more than 85% of our power from solar—greatly reducing our demand from local utilities. At Cementex we believe in doing things the right way. This philosophy is exemplified in how we operate our manufacturing facility, how we manufacture our products, how we treat our employees, and how we service our customers. We believe in being more than just an industry leader; we believe in leading by example.

