



GearArc
Safety

This guide shall only be used in conjunction with performing the necessary calculations contained in a flash hazard analysis to determine the proper cal/cm². If the results of the calculations exceed the cal/cm² that correspond to the HRC found on this guide, you must use clothing that complies with the calculation.

Panelboards or Other Equipment Rated 240V and Below - Parameters 1				600 V Class Motor Control Center (MCCs) Parameters 4				Nema E2 (fused contactor) Motor Starters, 2.3 kV Through 7.2 kV Parameters 6			
TASK (equipment is energized & work is done within the flash protection boundary)	V-Rated Gloves	V-Rated Tools	HRC	TASK (equipment is energized & work is done within the flash protection boundary)	V-Rated Gloves	V-Rated Tools	HRC	TASK (equipment is energized & work is done within the flash protection boundary)	V-Rated Gloves	V-Rated Tools	HRC
Perform infrared thermography and other non-contact inspection outside the restricted approach boundary			0	Insert or removal of individual starter "bucket" from MCC	Y		4	Perform infrared thermography and other non-contact inspection outside the restricted approach boundary			3
Circuit Breaker (CB) or fused switch operation with covers on			0	Removal of bolted covers (to exposed bare, energized electrical conductors and circuit parts)			4	Contact operation with enclosure doors closed			0
CB or fused switch operation with covers off			0	Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)			1	Reading a panel meter while operating a meter switch			0
Work on energized electrical conductors and circuit parts, including voltage testing	Y	Y	1					Contact operation with enclosure doors open			2
Remove/install CBs or fused switches	Y	Y	1	600 V Class Switchgear (with power circuit breakers or fused switches) and 600 V Class Switchboards--Parameters 5				Work on energized electrical conductors and circuit parts, including voltage testing	Y	Y	4
Removal of bolted covers (to exposed bare, energized electrical conductors and circuit parts)			1	TASK (equipment is energized & work is done within the flash protection boundary)	V-Rated Gloves	V-Rated Tools	HRC	Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	Y	Y	0
Open hinged covers (to exposed bare, energized electrical conductors and circuit parts)			0	Perform infrared thermography and other non-contact inspection outside the restricted approach boundary			2	Work on control circuits with energized electrical conductor and circuit parts >120 V, exposed	Y	Y	3
Work on energized electrical conductors and circuit parts of utilization equipment fed directly by a branch circuit of the panelboard	Y	Y	1	CB or fused switch or starter operation with enclosure doors closed			0	Insertion or removal (racking) of starters from cubicles, doors open or closed			4
				Reading a panel meter while operation a meter switch			0	Application of temporary protective grounding equipment, after voltage test	Y		3
				CB or fused switch operation with enclosure doors open			1	Removal of bolted cover (to expose bare, energized electrical conductors and circuit parts)			4
				Work on energized electrical conductors and circuit parts, including voltage testing	Y	Y	2	Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)			3
				Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	Y	Y	0	Insertion or removal (racking) of starters from cubicles of arc-resistant construction, tested in accordance with IEEE C37.20.7, doors closed only			0
				Perform infrared thermography and other non-contact inspection outside the restricted approach boundary			2	Metal Clad Switchgear, 1 kV Through 38 kV Parameter 6			
				Circuit Breaker (CB) or fused switch operation with covers on			0	TASK (equipment is energized & work is done within the flash protection boundary)	V-Rated Gloves	V-Rated Tools	HRC
	Y		1	Insertion or removal (racking) of CBs from cubicles, doors open or closed			4	Perform infrared thermography and other non-contact inspection outside the restricted approach boundary			3
	Y	Y	2	Application of safety grounds, after voltage test	Y		2	Removal of bolted covers (to exposed bare, energized electrical conductors and circuit parts)			4
	Y	Y	2	Removal of bolted covers (to exposed bare, energized electrical conductors and circuit parts)			4	CB operation with enclosure doors closed			2
			1	Open hinged covers (to exposed bare, energized electrical conductors and circuit parts)			2	Reading a panel meter while operating a meter switch			0
			0	Other 600 V Class (277 V through 600 V, nominal) Equipment Parameters 3				CB operation with enclosure doors open			4
	Y	Y	2	TASK (equipment is energized & work is done within the flash protection boundary)	V-Rated Gloves	V-Rated Tools	HRC	Work on energized electrical conductors and circuit parts, including voltage testing	Y	Y	4
				Lighting or small Power transformer (600 V, Maximum)-below next 4 lines				Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	Y	Y	2
				Removal of bolted cover (to expose bare, energized electrical conductors and circuit parts)			2	Work on control circuits with energized electrical conductor and circuit parts >120 V, exposed	Y	Y	4
				Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)			1	Insertion or removal (racking) of CBs from cubicles, doors open or closed			4
				Work on energized electrical conductors and circuit parts, including voltage testing	Y	Y	2	Application of temporary protective grounding equipment, after voltage test	Y		4
				Application of temporary protective grounding equipment, after voltage test	Y		2	Removal of bolted cover (to expose bare, energized electrical conductors and circuit parts)			4
				Revenue meters (kW-hour, at primary voltage and current) Insertion or removal	Y		2	Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)			3
				Cable trough or tray cover removal or installation			1	Opening voltage transformer or control power transformer compartments			4
				Miscellaneous Equipment cover removal or installation			1	Arc-Resistant Switchgear Type 1 or 2 (for clearing times of <0.5 sec with a prospective fault current not exceed the arc resistant rating of equip.) Parameters 6			
	Y	Y	2	Work on energized electrical conductors and circuit parts, including voltage testing	Y	Y	2	TASK (equipment is energized & work is done within the flash protection boundary)	V-Rated Gloves	V-Rated Tools	HRC
	Y	Y	0	Application of temporary protective grounding equipment, after voltage test	Y		2	CB operation with enclosure doors closed			0
	Y	Y	2	Insertion or removal of plug-in devices into or from busways	Y		2	Insertion or removal (racking) of CBs from cubicles, doors closed			0
	Y		2					Insertion or removal of CBs from cubicles, doors open			4
	Y	Y	2					Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	Y	Y	2
								Insertion or removal (racking) of ground and test device with doors closed			0
								Insertion or removal (racking) voltage transformer on or off the bus door closed			0

NFPA 70 E Compliance Guide
See next page for Clothing Requirements and Definitions and Parameters---Revised 09-12 (2012)

Other Equipment 1 kV Through 38 kV Parameters 6				HRC	Protective Clothing	Minimum cal/cm ²	PPE(Safety glasses, hearing protection, leather safety shoes required for all)
TASK (equipment is energized & work is done within the flash protection boundary)	V-Rated Gloves	V-Rated Tools	HRC	0	Natural fiber long-sleeved shirt and pants (non melting)	N/A	Hard Hat
Metal-enclosed interrupter switchgear, fused or unfused-below next 5 lines				1	AR long-sleeved shirt and AR pants OR AR coveralls	4	Hard Hat, Arc-Rated Face Shield OR Flash suit hood
Switch operation of arc-resistant-type construction, tested in accordance with IEEE C37.20.7, doors closed only			0	2	AR long-sleeved shirt and AR pants OR AR coveralls	8	Hard Hat, Arc-Rated Face Shield with AR Balaclava (sock hood) OR Flash suit hood
Switch operation, doors closed			2	3	Multi-Layer flash suit over AR long-sleeved shirt and pants over natural fiber short-sleeved T-shirt and pants OR Multi-Layer flash suit over AR coveralls over natural fiber short-sleeved T-shirt and pants	25	Hard Hat, Multi-Layer Switching Hood
Work on energized electrical conductors and circuit parts, including voltage testing	Y	Y	4	4	Multi-Layer flash suit over AR long-sleeved shirt and pants over natural fiber short-sleeved T-shirt and pants OR Multi-Layer flash suit over AR coveralls over natural fiber short-sleeved T-shirt and pants	40	Hard Hat, Multi-Layer Switching Hood
Removal of bolted cover (to expose bare, energized electrical conductors and circuit parts)			4	Definitions: Y=Yes (Required)			
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)			3	V-Rated Gloves : Rubber Insulating gloves rated and tested for the maximum line-to-line voltage upon which work will be done. Leather protectors must be worn externally if rubber insulating gloves could be damaged.			
Outdoor disconnect switch operation (hook-stick operated)	Y	Y	3	V-Rated Tools : Insulated and Insulating Hand Tools rated and tested for the maximum line-to-line voltage upon which work will be done.			
Outdoor disconnect switch operation (gang-operated, from grade)	Y		2	HRC : Hazard Risk Category			
Insulated cable examination, in manhole or other confined space	Y		4	AR : Arc Rated (replaces FR 2012 NFPA 70E)			
Insulated cable examination, in open area	Y		2				

* If the Parameters cannot be satisfied, work must be performed de-energized.
Parameter 1: Maximum of 25 kA short circuit current available, maximum of 0.03 second (2 cycle) fault clearing time; minimum 18 inch working distance
 Potential arc flash boundary with exposed energized conductors or circuit parts using above parameters: 19 inches
Parameter 2: Maximum of 25 kA short circuit current available, maximum of 0.03 second (2 cycle) fault clearing time; minimum 18 inch working distance
 Potential arc flash boundary with exposed energized conductors or circuit parts using above parameters: 30 inches
Parameter 3: Maximum of 65 kA short circuit current available, maximum of 0.03 second (2 cycle) fault clearing time; minimum 18 inch working distance
 Potential arc flash boundary with exposed energized conductors or circuit parts using above parameters: 53 inches
Parameter 4: Maximum of 42 kA short circuit current available, maximum of 0.33 second (20 cycle) fault clearing time; minimum 18 inch working distance.
 Potential arc flash boundary with exposed energized conductors or circuit parts using above parameters: 165 inches
Parameter 5: Maximum of 35 kA short circuit current available, maximum of 0.5 second (30 cycle) fault clearing time; minimum 18 inch working distance.
 Potential arc flash boundary with exposed energized conductors or circuit parts using above parameters: 233 inches
Parameter 6: Maximum of 35 kA short circuit current available, maximum of 0.2 second (12 cycle) fault clearing time; minimum 36 inch working distance.
 Potential arc flash boundary with exposed energized conductors or circuit parts using above parameters: 422 inches
 *Working on circuits over 40 cal/cm² should be avoided because of blast hazards. Notes see: http://www.geararcsafety.com/70_e_compliance_guide_2012.pdf

“Made in America” isn’t just the name of a song anymore. Whether out of a sense of patriotism, a desire to help the American economy or the belief that U.S.-made products are of higher quality, consumers of everything from clothes to computers increasingly want to see a “Made in the USA” sticker on the items they buy. Gear Arc Safety strongly believes that being made in the USA, is not only important for workers that produce goods, but also the standing of the nation as an industrial power house that will raise the standing of our fellow citizens. So the next time you are out shopping for products, make sure you see a logo on the product that says, “Made in USA”.



AR Shirts & Pants	Pages 4-5
AR Backpack Kits	Pages 6-7
Arc Shields & AR Hoods	Pages 8-11
AR HRC 2,3,4 Protection Kits	Pages 14-18
AR TShirts & Coveralls	Pages 19
AR UltraLite HRC2 & HRC4 Kits	Pages 20-21
Electrician's Insulating Gloves	Pages 22-23
Blanket Rolls & Blankets	Pages 24
Matting & Rescue Hook	Pages 25
Linesman & Needle Nose	Pages 28
Wire Strippers & Dia. Cutters	Pages 29
Cable Cutters & Channellocks	Pages 30
Screwdrivers & Nut Drivers	Pages 27/31
Rachets & Hex Sockets	Pages 28-29
Wrenches & Hex Keys	Pages 34-35
T Handles & Tool Rolls	Pages 36-38
Tool Kits & The Energized Box	Pages 39-43



8 cal/cm² Vented shirt brings comfort to a new level with these shirts. They are made from 7 oz. Indura® Ultra Soft. If it is hot outside and your guys are complaining. Try our Arc Rated vented shirts. Available in Medium Blue and Khaki.

Collar ▶	Small	Medium	Large	XLarge	2XLarge	3XLarge
Length 32"	11070	11072	11075			
Length 34"	11071	11073	11076	11079	11082	
Length 36"		11074	11077	11080	11083	11085
Length 38"			11078	11081	11084	11086



8 cal/cm² Lightweight Denim shirt brings comfort to a new level with these shirts. They are made from 7 oz. Indura® Ultra Soft. Other features include double needle button down collar, hex pockets with button down flap closure and woodtone buttons.

Collar ▶	Small	Medium	Large	XLarge	2XLarge	3XLarge
Length 32"	11030	11032	11035			
Length 34"	11031	11033	11036	11039	11042	
Length 36"		11034	11037	11040	11043	11045
Length 38"			11038	11041	11044	11046



10.9 cal/cm² Henley shirt with sport collars offers the ultimate in protection from a single layer. They have excellent arc ratings, cotton comfort, one chest pocket and athletic styling that people want to wear. They are made from 6.3 oz. Indura® Ultra Soft. Available in, Navy and Medium Blue.

Sleeve ▼	Small	Med	Large	XL Large	2X Large	3X Large	4X Large
32"	11120	11121	11124				
33"		11122		11127	11130		
34"			11125			11133	11136
35"				11128	11131		
36"		11123	11126			11134	
37"				11129	11132		11137
38"						11135	11138

8.7 cal/cm² Premium woven shirt brings comfort and great looks to a new level. They are made from 7 oz. Indura® Ultra Soft. Other features include double needle button down collar. (Available in Khaki, Red, Black, Medium Blue and Gray-specify color)

Collar ▶	Small	Medium	Large	XL Large	2X Large	3X Large
Length 32"	11050	11052	11055			
Length 34"	11051	11053	11056	11059	11062	
Length 36"		11054	11057	11060	11063	11065
Length 38"			11058	11061	11064	11066



AR Denim Jeans

19.5 cal/cm² Demin Jeans made from 12 oz. Indura Ultra Soft®. This means that they will outwear any 100% cotton FR jean in the market. Reinforced front pockets for longer life. They are pre-enzyme washed, making them feel great right out of the box.



Waist ▶	28	30	32	34	36	38	40	42	44	46	48
Inseam ▼											
28"	10020	10024	10028	10032	10036	10040	10044	10048	10052	10056	10060
30"	10021	10025	10029	10033	10037	10041	10045	10049	10053	10057	10061
32"	10022	10026	10030	10034	10038	10042	10046	10050	10054	10058	10062
34"	10023	10027	10031	10035	10039	10043	10047	10051	10055	10059	10063



12.4 cal/cm² Premium Trousers brings comfort to a new level with these trousers. They are made from 9 oz. Indura® Ultra Soft. They are lightweight and comfortable. Relaxed fit with extra room in the seat and thighs. Available in Navy and Khaki.

Waist ▶	28	30	32	34	36	38	40	42	44	46	48
Inseam ▼											
28"	10220	10224	10228	10232	10236	10240	10244	10248	10252	10256	10260
30"	10221	10225	10229	10233	10237	10241	10245	10249	10253	10257	10261
32"	10222	10226	10230	10234	10238	10242	10246	10250	10254	10258	10262
34"	10223	10227	10231	10235	10239	10243	10247	10251	10255	10259	10263



9.8 cal/cm² Lightweight Dungaree brings comfort to a new level with these jeans. They are made from 8.5 oz. Indura® Ultra Soft. They are lightweight and comfortable. Relaxed fit with extra room in the seat and thighs. Available in Olive Green and Navy Blue.

Waist ▶	28	30	32	34	36	38	40	42	44	46	48
Inseam ▼											
28"	10120	10124	10128	10132	10136	10140	10144	10148	10152	10156	10160
30"	10121	10125	10129	10133	10137	10141	10145	10149	10153	10157	10161
32"	10122	10126	10130	10134	10138	10142	10146	10150	10154	10158	10162
34"	10123	10127	10131	10135	10139	10143	10147	10151	10155	10159	10163

HRC 2 Backpack Kits

Electrician's Backpack Kits



Size	Knit Coveralls/wGloves	Knit Coveralls/wo Gloves	Coverall Kit/wGloves	Coverall Kit/wo Gloves
Small	19351-01	19351	19441-01	19441
Medium	19352-01	19352	19442-01	19442
Large	19353-01	19353	19443-01	19443
X-Large	19354-01	19354	19444-01	19444
XX-Large	19355-01	19355	19445-01	19445
XXX-Large	19356-01	19356	19446-01	19446
XXXX-Large	19357-01	19357	19447-01	19447

12 cal/cm² Kit includes Anti-Fog Arc Shield/Safety Glasses/Insulating Gloves/Glove Protectors/Glove Bag/Safety Helmet/Backpack Bag.(Coverall & Jacket & Overall kits includes 12 cal/cm² sock hood)
wGloves=with gloves wo=without gloves

For class 00 500 Volt gloves change suffix=00

For class 0 1000 Volt gloves change suffix=01 Please specify glove sizes.

*with Gloves and Tools add a T /example 19444-01-T

*without Gloves add a T /example 19444-T

*Backpack alone empty part number is 29005

HRC 4 Backpack Kits



The Backpack provides a solution for having everything you need in one convenient location as you move around the plant, facility or hospital. Your Arc Rated PPE Clothing, Gloves and Insulated Tools are all stored in one bag. All packs include large zipper pouches for easy access. The large center pouch is large enough to store your HRC 4 Jacket and Bib overalls and Hood with hard hat. The rear pouch is designed to serve as a tool caddy when used with blanket magnets and will accommodate our 9 piece basic electrician's tool kit (50320). Side pouches will accommodate 11" or 14" gloves with protectors. The waterproof backpack is available in kits with all the PPE to bring you in compliance with the NFPA 70E. Available in Hi-Vis electrical safety orange color.

40 cal/cm² Kit includes Anti-Fog Arc Hood/Safety Glasses/ Insulating Gloves/Glove Protectors/Glove Bag/Safety Helmet/ Backpack Bag.wGloves=with gloves wo=without gloves
For class 00 500 Volt gloves change suffix=00
For class 0 1000 Volt gloves change suffix=01
Please specify glove sizes.

*with Gloves and Tools add a T /example 21444-02-T

*without Gloves add a T /example 21444-T

*Backpack alone empty part number is 29005



Size	Jacket Overalls/Gloves	Jacket Overalls/wo Gloves	Coverall Kit/wGloves	Coverall Kit/wo Gloves
Small	22441-02	22441	22481-01	22481
Medium	22442-02	22442	22481-01	22482
Large	22443-02	22443	22483-01	22483
X-Large	22444-02	22444	22484-01	22484
XX-Large	22445-02	22445	22485-01	22485
XXX-Large	22446-02	22446	22486-01	22486
XXXX-Large	22447-02	22447	22487-01	22487

Clothing contained in this catalog meets current NFPA 70E and ASTM F1506 standards. The performance specifications covers the arc rating of textile materials to be used for wearing apparel for use by electrical workers exposed to momentary electrical arc and related thermal hazards (usually less than a 1/3rd of a second). Clothing is rated in arc thermal performance value (ATPV) or Cal/Cm², meaning the same value, either term can be used. The protection of the clothing is to provide the user with insufficient heat transfer through the fabric or material to cause the onset of a second degree burn, which occurs at 1.2 Cal/Cm². The level of protection provided by arc rated materials is that they do not continue to burn after exposure to and removal of a source of ignition.

Always perform an electrical arc hazard assessment before starting any Job! Take a minute and review the NFPA 70E Compliance Guide and download the Electrical Work Planning form in our Resource Section. (website www.geararcsafety.com)

The NFPA 70E Compliance Guide is just a guideline---Nothing replaces an actual Engineering Arc Flash Analysis by an Engineering firm and up to date panel labeling.

Your Safety is our Business--Take your safety seriously. *(New 2012 NFPA 70E Flame Resistant or FR is replaced with AR or Arc Rated)

Arc Shields HRC 1 & 2

Highly Transparent Arc Shields

12 & 20 Cal/cm² Resistant to fogging
 Large viewing area with good color recognition.
 Eliminates determining which wire is Green or Blue.
 Tested to ASTM F2178 face protective specifications.
 Meets NFPA 70E & ANSI Z87+S



29614 & 29617



29620 & 29621



29638 & 29639



29546

New High Transparency Nanoparticle Grey Color with improved visibility.
 (Anti fog coating on the Interior)

Cat. No.	Arc Shield & Accessories--All New HT light Grey Arc Shield
19539	12 Cal/Cm ² Indura Arc Balaclava--worn with Arc Shield (HRC-2--just eyes and nose exposed)
29610	12 Cal/Cm ² ARC Shield w/Hard Hat & Storage Bag
29611	12 Cal/Cm ² ARC Shield w/Hard Hat & Storage Bag & Balaclava & Safety Glasses
29612	12 Cal/Cm ² ARC Shield w/Hard Hat & Storage Bag Full Brim
29613	12 Cal/Cm ² ARC Shield w/Hard Hat & Storage Bag Full Brim & Balaclava & Safety Glasses
29614	12 Cal/Cm ² ARC Shield w/Hard Hat
29615	12 Cal/Cm ² ARC Shield w/Hard Hat Full Brim
29616-B	Flashlight Bracket
29616	Arc Shield Flashlight
29617	Flashlight Kit includes (One Bracket and One Flashlight) Rotates Up & Down and Right & Left
29618	20 Cal/Cm ² ARC Shield w/Hard Hat
29619	20 Cal/Cm ² ARC Shield w/Hard Hat Full Brim
29620	12 Cal/Cm ² Arc Shield Only
29621	12 Cal/Cm ² Arc Shield Only Full Brim
29622	20 Cal/Cm ² Arc Shield Only
29623	20 Cal/Cm ² Arc Shield Only Full Brim
29624	Cap Brackets for Slotted Cap
29625	Cap Brackets W/Elastomeric Attachment
29626	Cap Brackets W/Elastomeric Attachment Full Brim
29638	Replacement Lens 12 Cal/Cm ²
29639	Replacement Lens 20 Cal/Cm ²
29540	Safety Hard Hat Hi Vis Orange Class C, E, G 4 Point Ratchet Suspension
29541	Safety Hard Hat Hi Vis Orange Full Brim Class C, E, G 4 Point Ratchet Suspension
29546	ARC Shield Storage Bag (Bag Only) Water Repellant and Mildew Resistant
29400	U/V Safety Glasses--Clear Lense ANSI Z87.1/CSA Z94.3-15
29200	Headlight-3 LED/Xenon Bulb-3 way light selection-waterproof Fits UltraLite Hood
29202	Headlight-7 LED-3 way light selection-waterproof Fits UltraLite Hood



Arc Protection Hoods are supplied with Hard Hat Adapter and Safety Helmet. The window is coated with a anti-fog inner surface. Z-87 UV safety glasses should also be worn with the Hood. Meets current ASTM F2178 and NFPA 70E standards and the flammability requirements for ASTM F1506.

AR Hoods	Description
19470	12 Cal/Cm ² Flash Arc Hood
21070	20 Cal/Cm ² Flash Arc Hood
21270	25 Cal/Cm ² Flash Arc Hood
21370	33 Cal/Cm ² Flash Arc Hood
21470	40 Cal/Cm ² Flash Arc Hood
23470	40 Cal/Cm ² Flash Arc Hood Ultra Lite
21570	51 Cal/Cm ² Flash Arc Hood
21870	83 Cal/Cm ² Flash Arc Hood

Arc Shields & LF Hood & Accessories



23476

Otex's new dual fan is power by a Milwaukee Li-ion Rechargeable 5 Volt battery. Mounts in our Ultralite Hoods (23470 or 23473). 6 hour run time.



23473

Our New Lift Front Hood Hard Hat is encapsulated in a layer of 40 calorie UltraLite Arc Rated covering to protect the user.



29614 & 29617

Paulson's new articulate light mounting system incorporates Up & Down movement and side to side. One or two units can be mount on the new arc shields.



29400

U/V Safety Glasses--Clear Lense ANSI Z87.1/CSA Z94.3-15. Glasses incorporate a soft nose bridge for comfort.



29614 & 29617

The new LED lights utilize 2 AAA batteries and employs a warning system when the batteries are starting to fail.



29540

Electrical Safety Hard Hat Hi Vis Orange Class C, E, G, 4 Point Ratchet Suspension system for comfort.



29200

Headlight-3 LED/Xenon Bulb-3 way light selection-waterproof. Fits UltraLite Hood.



29610

12 Cal/Cm² ARC Shield with Hard Hat & Storage Bag.



29611

12 Cal/Cm² ARC Shield with Hard Hat & Storage Bag & Balaclava & Safety Glasses.



The Arc Protection Hood with fan systems is designed to keep oxygen levels higher and cooler with less down time. The Fan system is intended to provide additional comfort for the user. Total weight is 1.2 lbs., one of the lightest in the industry and is easy to maintain with 8 AA batteries. 23475 Fan Only

Fan Hoods	Description / V12 Fan Hoods
19472	12 Cal/Cm ² V12 Flash Arc Hood
21072	20 Cal/Cm ² V12 Flash Arc Hood
21272	25 Cal/Cm ² V12 Flash Arc Hood
21372	33 Cal/Cm ² V12 Flash Arc Hood
23472	40 Cal/Cm ² V12 Flash Arc Hood
21572	51 Cal/Cm ² V12 Flash Arc Hood

New V12 Hood Fan System

Utilizes a squirrel cage fan system that replaces older style computer muffin fans.

Lightweight-adds only 1.2 pounds to the weight of the hood with batteries.

The fan effectively reduces heat stress by allowing air to circulate for a cooler work atmosphere.



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

New Hood Arc Shield Improvements:

- Premium Polycarbonate (New Shields for Hoods)
- Nanoparticle Design-Light Grey Color
- Improved outdoor exposure and life
- Warp resistant in hot conditions
- High Impact
- Low Haze
- High Visibility
- Improved Color Recognition
- Abrasion Resistant on both sides (Long Product Life, estimated at 4x)
- Anti-Fog on both sides (Go from Cold to Warm Humid conditions without fogging)
- Anti-Fog is a permanent coating
- Die-cut Velcro is Riveted to the Shield (Velcro will not peel off in hot humid conditions.)
- Rivets secure inner lens (No Sewing)
- Lighter in weight by 30%



23473 Lift Front Hood

Light Grey Color-improves color recognition between green and blue wires.

Single-lens is light weight and provides protection up to 40 calories.

Color Transmittance curve is similar to the lambda curve of the human eye.

Nanoparticle additives provide arc flash protection.

Premium anti-fog and anti abrasion coating. Provides longer life of shield.

Lift fronts hoods provide enhanced breathability and communication.

Hoods affords user with extra protection by covering the hard hat with a layer of 40 calorie UltraLite material.

23474 Lift Front Hood with Fan

Includes light weight fan unit that runs off 8 double AA batteries for 6 hours. 23475

Also can be used with the Fan Unit that runs off Milwaukee Li-ion Rechargeable 5 Volt battery. 23476



AR Jacket & Bib Overalls



Cat. No.	Description
19401	12 Cal/Cm ² Arc Rated Jacket (S)
19402	12 Cal/Cm ² Arc Rated Jacket (M)
19403	12 Cal/Cm ² Arc Rated Jacket (L)
19404	12 Cal/Cm ² Arc Rated Jacket (XL)
19405	12 Cal/Cm ² Arc Rated Jacket (2XL)
19406	12 Cal/Cm ² Arc Rated Jacket (3XL)
19407	12 Cal/Cm ² Arc Rated Jacket (4XL)
19408	12 Cal/Cm ² Arc Rated Jacket (5XL)

Cat. No.	Description
19431	12 Cal/Cm ² Arc Rated Overall (S)
19432	12 Cal/Cm ² Arc Rated Overall (M)
19433	12 Cal/Cm ² Arc Rated Overall (L)
19434	12 Cal/Cm ² Arc Rated Overall (XL)
19435	12 Cal/Cm ² Arc Rated Overall (2XL)
19436	12 Cal/Cm ² Arc Rated Overall (3XL)
19437	12 Cal/Cm ² Arc Rated Overall (4XL)
19438	12 Cal/Cm ² Arc Rated Overall (5XL)

Cat. No.	Description
21001	20 Cal/Cm ² Arc Rated Jacket (S)
21002	20 Cal/Cm ² Arc Rated Jacket (M)
21003	20 Cal/Cm ² Arc Rated Jacket (L)
21004	20 Cal/Cm ² Arc Rated Jacket (XL)
21005	20 Cal/Cm ² Arc Rated Jacket (2XL)
21006	20 Cal/Cm ² Arc Rated Jacket (3XL)
21007	20 Cal/Cm ² Arc Rated Jacket (4XL)
21008	20 Cal/Cm ² Arc Rated Jacket (5XL)

Cat. No.	Description
21031	20 Cal/Cm ² Arc Rated Overall (S)
21032	20 Cal/Cm ² Arc Rated Overall (M)
21033	20 Cal/Cm ² Arc Rated Overall (L)
21034	20 Cal/Cm ² Arc Rated Overall (XL)
21035	20 Cal/Cm ² Arc Rated Overall (2XL)
21036	20 Cal/Cm ² Arc Rated Overall (3XL)
21037	20 Cal/Cm ² Arc Rated Overall (4XL)
21038	20 Cal/Cm ² Arc Rated Overall (5XL)

Cat. No.	Description
21201	25 Cal/Cm ² Arc Rated Jacket (S)
21202	25 Cal/Cm ² Arc Rated Jacket (M)
21203	25 Cal/Cm ² Arc Rated Jacket (L)
21204	25 Cal/Cm ² Arc Rated Jacket (XL)
21205	25 Cal/Cm ² Arc Rated Jacket (2XL)
21206	25 Cal/Cm ² Arc Rated Jacket (3XL)
21207	25 Cal/Cm ² Arc Rated Jacket (4XL)
21208	25 Cal/Cm ² Arc Rated Jacket (5XL)

Cat. No.	Description
21231	25 Cal/Cm ² Arc Rated Overall (S)
21232	25 Cal/Cm ² Arc Rated Overall (M)
21233	25 Cal/Cm ² Arc Rated Overall (L)
21234	25 Cal/Cm ² Arc Rated Overall (XL)
21235	25 Cal/Cm ² Arc Rated Overall (2XL)
21236	25 Cal/Cm ² Arc Rated Overall (3XL)
21237	25 Cal/Cm ² Arc Rated Overall (4XL)
21238	25 Cal/Cm ² Arc Rated Overall (5XL)

AR Jacket & Bib Overalls

Cat. No.	Description
21301	33 Cal/Cm ² Arc Rated Jacket (S)
21302	33 Cal/Cm ² Arc Rated Jacket (M)
21303	33 Cal/Cm ² Arc Rated Jacket (L)
21304	33 Cal/Cm ² Arc Rated Jacket (XL)
21305	33 Cal/Cm ² Arc Rated Jacket (2XL)
21306	33 Cal/Cm ² Arc Rated Jacket (3XL)
21307	33 Cal/Cm ² Arc Rated Jacket (4XL)
21308	33 Cal/Cm ² Arc Rated Jacket (5XL)

Cat. No.	Description
21401	40 Cal/Cm ² Arc Rated Jacket (S)
21402	40 Cal/Cm ² Arc Rated Jacket (M)
21403	40 Cal/Cm ² Arc Rated Jacket (L)
21404	40 Cal/Cm ² Arc Rated Jacket (XL)
21405	40 Cal/Cm ² Arc Rated Jacket (2XL)
21406	40 Cal/Cm ² Arc Rated Jacket (3XL)
21407	40 Cal/Cm ² Arc Rated Jacket (4XL)
21408	40 Cal/Cm ² Arc Rated Jacket (5XL)

Cat. No.	Description
23401	40 Cal/Cm ² Arc Rated Jacket (S) Ultra Lite
23402	40 Cal/Cm ² Arc Rated Jacket (M) Ultra Lite
23403	40 Cal/Cm ² Arc Rated Jacket (L) Ultra Lite
23404	40 Cal/Cm ² Arc Rated Jacket (XL) Ultra Lite
23405	40 Cal/Cm ² Arc Rated Jacket (2XL) Ultra Lite
23406	40 Cal/Cm ² Arc Rated Jacket (3XL) Ultra Lite
23407	40 Cal/Cm ² Arc Rated Jacket (4XL) Ultra Lite
23408	40 Cal/Cm ² Arc Rated Jacket (5XL) Ultra Lite

Cat. No.	Description
21502	51 Cal/Cm ² Arc Rated Jacket (M)
21503	51 Cal/Cm ² Arc Rated Jacket (L)
21504	51 Cal/Cm ² Arc Rated Jacket (XL)
21505	51 Cal/Cm ² Arc Rated Jacket (2XL)
21506	51 Cal/Cm ² Arc Rated Jacket (3XL)
21507	51 Cal/Cm ² Arc Rated Jacket (4XL)
21508	51 Cal/Cm ² Arc Rated Jacket (5XL)

Cat. No.	Description
21802	83 Cal/Cm ² Arc Rated Jacket (M)
21803	83 Cal/Cm ² Arc Rated Jacket (L)
21804	83 Cal/Cm ² Arc Rated Jacket (XL)
21805	83 Cal/Cm ² Arc Rated Jacket (2XL)
21806	83 Cal/Cm ² Arc Rated Jacket (3XL)
21807	83 Cal/Cm ² Arc Rated Jacket (4XL)
21808	83 Cal/Cm ² Arc Rated Jacket (5XL)

Cat. No.	Description
21331	33 Cal/Cm ² Arc Rated Overall (S)
21332	33 Cal/Cm ² Arc Rated Overall (M)
21333	33 Cal/Cm ² Arc Rated Overall (L)
21334	33 Cal/Cm ² Arc Rated Overall (XL)
21335	33 Cal/Cm ² Arc Rated Overall (2XL)
21336	33 Cal/Cm ² Arc Rated Overall (3XL)
21337	33 Cal/Cm ² Arc Rated Overall (4XL)
21338	33 Cal/Cm ² Arc Rated Overall (5XL)

Cat. No.	Description
21431	40 Cal/Cm ² Arc Rated Overall (S)
21432	40 Cal/Cm ² Arc Rated Overall (M)
21433	40 Cal/Cm ² Arc Rated Overall (L)
21434	40 Cal/Cm ² Arc Rated Overall (XL)
21435	40 Cal/Cm ² Arc Rated Overall (2XL)
21436	40 Cal/Cm ² Arc Rated Overall (3XL)
21437	40 Cal/Cm ² Arc Rated Overall (4XL)
21438	40 Cal/Cm ² Arc Rated Overall (5XL)

Cat. No.	Description
23431	40 Cal/Cm ² Arc Rated Overall (S) Ultra Lite
23432	40 Cal/Cm ² Arc Rated Overall (M) Ultra Lite
23433	40 Cal/Cm ² Arc Rated Overall (L) Ultra Lite
23434	40 Cal/Cm ² Arc Rated Overall (XL) Ultra Lite
23435	40 Cal/Cm ² Arc Rated Overall (2XL) Ultra Lite
23436	40 Cal/Cm ² Arc Rated Overall (3XL) Ultra Lite
23437	40 Cal/Cm ² Arc Rated Overall (4XL) Ultra Lite
23438	40 Cal/Cm ² Arc Rated Overall (5XL) Ultra Lite

Cat. No.	Description
21532	51 Cal/Cm ² Arc Rated Overall (M)
21533	51 Cal/Cm ² Arc Rated Overall (L)
21534	51 Cal/Cm ² Arc Rated Overall (XL)
21535	51 Cal/Cm ² Arc Rated Overall (2XL)
21536	51 Cal/Cm ² Arc Rated Overall (3XL)
21537	51 Cal/Cm ² Arc Rated Overall (4XL)
21538	51 Cal/Cm ² Arc Rated Overall (5XL)

Cat. No.	Description
21832	83 Cal/Cm ² Arc Rated Overall (M)
21833	83 Cal/Cm ² Arc Rated Overall (L)
21834	83 Cal/Cm ² Arc Rated Overall (XL)
21835	83 Cal/Cm ² Arc Rated Overall (2XL)
21836	83 Cal/Cm ² Arc Rated Overall (3XL)
21837	83 Cal/Cm ² Arc Rated Overall (4XL)
21838	83 Cal/Cm ² Arc Rated Overall (5XL)

HRC 2 Arc Flash Protection Kits



12 cal/cm² Kits

Size	Jacket Overall/wGloves	Jacket Overall/wo Gloves	Coverall Kit/wGloves	Coverall Kit/wo Gloves
Small	19741-01	19741	19541-01	19541
Medium	19742-01	19742	19542-01	19542
Large	19743-01	19743	19543-01	19543
X-Large	19744-01	19744	19544-01	19544
XX-Large	19745-01	19745	19545-01	19545
XXX-Large	19746-01	19746	19546-01	19546
XXXX-Large	19747-01	19747	19547-01	19547

12 cal/cm² Kit includes Anti-Fog Arc Shield/
Safety Glasses/Insulating Gloves/Glove
Protectors/Glove Bag/Safety Helmet/Flash
Apparel Bag.(Coverall & Jacket & Bib Overall
kits includes 12 cal/cm² sock hood)
wGloves=with gloves wo=without gloves
For class 00 500 Volt gloves change suf-
fix=00
For class 0 1000 Volt gloves change suffix=01
Please specify glove sizes.
Kit comes in the 29000 Apparel Bag or optional
Backpack



HRC 2 Arc Flash Protection Kits



11 cal/cm² Coverall Kits

Size	Coverall Kit/wGloves	Coverall Kit/wo Gloves
Small	19341-01	19341
Medium	19342-01	19342
Large	19343-01	19343
X-Large	19344-01	19344
XX-Large	19345-01	19345
XXX-Large	19346-01	19346
XXXX-Large	19347-01	19347

11 cal/cm² Kit includes Anti-Fog Arc Shield/Safety Glass-
es/Insulating Gloves/Glove Protectors/Glove Bag/Safety
Helmet/Flash Apparel Bag.(Coverall kits includes 12 cal/
cm² sock hood)

wGloves=with gloves wo=without gloves
For class 00 500 Volt gloves change suffix=00
For class 0 1000 Volt gloves change suffix=01 Please
specify glove sizes.
Kit comes in the 29000 Apparel Bag or Optional Backpack

HRC 2 Arc Flash Protection Kits



29005 Backpack



20 cal/cm² Kits

20 cal/cm² Kit includes Anti-Fog Arc Hood/Safety Glasses/Insulating Gloves/Glove Protectors/Glove Bag/Safety Helmet/Flash Apparel Bag. wGloves=with Gloves wo=without Gloves

For class 00 500 Volt gloves change suffix=00

For class 0 1000 Volt gloves change suffix=01

For class 2 17KV gloves change suffix=02

Please specify glove sizes.

* Optional Hood with Fan is available.

Kit comes in the 29000 Apparel Bag or Opional Backpack

Size	Jacket Overall/wGloves	Jacket Overall/wo Gloves	Coverall Kit/wGloves	Coverall Kit/wo Gloves
Small	21041-01	21041	21081-01	21081
Medium	21042-01	21042	21082-01	21082
Large	21043-01	21043	21083-01	21083
X-Large	21044-01	21044	21084-01	21084
XX-Large	21045-01	21045	21085-01	21085
XXX-Large	21046-01	21046	21086-01	21086
XXXX-Large	21047-01	21047	21087-01	21087

HRC 3 Arc Flash Protection Kits



29000 Apparel Bag



25 cal/cm² Kits

25 cal/cm² Kit includes Anti-Fog Arc Hood/Safety Glasses/Insulating Gloves/Glove Protectors/Glove Bag/Safety Helmet/Flash Apparel Bag.

wGloves=with Gloves wo=without Gloves For class 00 500 Volt gloves change suffix=00

For class 0 1000 Volt gloves change suffix=01

For class 2 17KV gloves change suffix=02

Please specify glove sizes.

* Optional Hood with Fan is available.

Kit comes in the 29000 Apparel Bag or Op-tional Backpack

Size	Jacket Overall/wGloves	Jacket Overall/wo Gloves	Coverall Kit/wGloves	Coverall Kit/wo Gloves
Small	21241-01	21241	21281-01	21281
Medium	21242-01	21242	21282-01	21282
Large	21243-01	21243	21283-01	21283
X-Large	21244-01	21244	21284-01	21284
XX-Large	21245-01	21245	21285-01	21285
XXX-Large	21246-01	21246	21286-01	21286
XXXX-Large	21247-01	21247	21287-01	21287

HRC 4 Arc Flash Protection Kits



40 cal/cm² Kits

40 cal/cm² Kit includes Anti-Fog Arc Hood/Safety Glasses/Insulating Gloves/Glove Protectors/Glove Bag/Safety Helmet/Flash Apparel Bag.

wGloves=with Gloves wo=without Gloves

For class 00 500 Volt gloves change suffix=00

For class 0 1000 Volt gloves change suffix=01

For class 2 17KV gloves change suffix=02

Please specify glove sizes.

* Optional Hood with Fan is available.

Kit comes in the 29000 Apparel Bag or optional Backpack

Size	Jacket Overall/wGloves	Jacket Overall/wo Gloves	Coverall Kit/wGloves	Coverall Kit/wo Gloves
Small	21441-02	21441	21481-02	21481
Medium	21442-02	21442	21482-02	21482
Large	21443-02	21443	21483-02	21483
X-Large	21444-02	21444	21484-02	21484
XX-Large	21445-02	21445	21485-02	21485
XXX-Large	21446-02	21446	21486-02	21486
XXXX-Large	21447-02	21447	21487-02	21487

12 Cal/Cm² Coveralls



20 Cal/Cm² Coveralls



40 Cal/Cm² Coveralls



Coverall make a convenient way to protect the total body, when used in conjunction with the proper arc hood and protective insulating gloves and leather protectors. Our 11 cal/cm² are the thinnest and most comfortable coveralls in the industry.

Cat. No.	Description	Cat. No.	Description
19461	11 Cal/Cm ² Arc Rated Knit Coverall (S)	19531	12 Cal/Cm ² Arc Rated Coverall (S)
19462	11 Cal/Cm ² Arc Rated Knit Coverall (M)	19532	12 Cal/Cm ² Arc Rated Coverall (M)
19463	11 Cal/Cm ² Arc Rated Knit Coverall (L)	19533	12 Cal/Cm ² Arc Rated Coverall (L)
19464	11 Cal/Cm ² Arc Rated Knit Coverall (XL)	19534	12 Cal/Cm ² Arc Rated Coverall (XL)
19465	11 Cal/Cm ² Arc Rated Knit Coverall (2XL)	19535	12 Cal/Cm ² Arc Rated Coverall (2XL)
19466	11 Cal/Cm ² Arc Rated Knit Coverall (3XL)	19536	12 Cal/Cm ² Arc Rated Coverall (3XL)
19467	11 Cal/Cm ² Arc Rated Knit Coverall (4XL)	19537	12 Cal/Cm ² Arc Rated Coverall (4XL)
19468	11 Cal/Cm ² Arc Rated Knit Coverall (5XL)	19538	12 Cal/Cm ² Arc Rated Coverall (5XL)

Cat. No.	Description	Cat. No.	Description
21061	20 Cal/Cm ² Arc Rated Coverall (S)	21461	40 Cal/Cm ² Arc Rated Coverall (S)
21062	20 Cal/Cm ² Arc Rated Coverall (M)	21462	40 Cal/Cm ² Arc Rated Coverall (M)
21063	20 Cal/Cm ² Arc Rated Coverall (L)	21463	40 Cal/Cm ² Arc Rated Coverall (L)
21064	20 Cal/Cm ² Arc Rated Coverall (XL)	21464	40 Cal/Cm ² Arc Rated Coverall (XL)
21065	20 Cal/Cm ² Arc Rated Coverall (2XL)	21465	40 Cal/Cm ² Arc Rated Coverall (2XL)
21066	20 Cal/Cm ² Arc Rated Coverall (3XL)	21466	40 Cal/Cm ² Arc Rated Coverall (3XL)
21067	20 Cal/Cm ² Arc Rated Coverall (4XL)	21467	40 Cal/Cm ² Arc Rated Coverall (4XL)
21068	20 Cal/Cm ² Arc Rated Coverall (5XL)	21468	40 Cal/Cm ² Arc Rated Coverall (5XL)



Thermographer Gloves
 32500 12 cal/cm² Thermographer Gloves
 32510 20 cal/cm² Thermographer Gloves
 32520 40 cal/cm² Thermographer Gloves

Overpants



8 cal/cm ²	Description
16041	Long Sleeve T Shirt (Small)
16042	Long Sleeve T Shirt (Medium)
16043	Long Sleeve T Shirt (Large)
16044	Long Sleeve T Shirt (X Large)
16045	Long Sleeve T Shirt (2X Large)
16046	Long Sleeve T Shirt (3X Large)
16047	Long Sleeve T Shirt (4X Large)

Cat. No.	Description
17941	12 Cal/Cm ² AR Overpants (Small)
17942	12 Cal/Cm ² AR Overpants (Medium)
17943	12 Cal/Cm ² AR Overpants (Large)
17944	12 Cal/Cm ² AR Overpants (X Large)
17945	12 Cal/Cm ² AR Overpants (2X Large)
17946	12 Cal/Cm ² AR Overpants (3X Large)
17947	12 Cal/Cm ² AR Overpants (4X Large)

Ultra Lite



New UltraLite HRC 2 & HRC 4 Kits

The Fabric is 35% Lighter than standard 40 cal/cm² HRC 4 series with the same protection.

New Premium UltraLite 40 cal/cm² makes working more comfortable than ever. Stay cooler and improve worker comfort without compromising worker safety.

10 cal/cm² Kit includes Anti-Fog Arc Shield/Safety Glasses/Insulating Gloves/Glove Protectors/Glove Bag/Safety Helmet/Flash Apparel Bag. (Coverall & Jacket & Bib Overall kits includes 12 cal/cm² sock hood)
 wGloves=with gloves wo=without gloves
 For class 00 500 Volt gloves change suffix=00
 For class 0 1000 Volt gloves change suffix=01
 Please specify glove sizes.

Kit comes in the 29000 Apparel Bag or 29005 Backpack

40 cal/cm² Kit includes Anti-Fog Arc Hood/Safety Glasses/Insulating Gloves/Glove Protectors/Glove Bag/Safety Helmet/Flash Apparel Bag.
 wGloves=with Gloves wo=without Gloves
 For class 00 500 Volt gloves change suffix=00
 For class 0 1000 Volt gloves change suffix=01
 For class 2 17KV gloves change suffix=02
 Please specify glove sizes.
 * Optional Hood with Fan is available(23472).
 * Optional Lift Front Hood with Fan is (23474).
 Kit comes in the 29000 Apparel Bag or 29005 Backpack

Ultra Lite Professional Grade Kits

Coveralls make a convenient way to protect the total body, when used in conjunction with the proper arc hood and protective insulating gloves and leather protectors. Our Ultra Lite Knit 11 cal/cm² coveralls are the thinnest and most comfortable coveralls in the industry.

10 cal/cm ² Apparel Kits		10 cal/cm ² Backpack Kits		
Size	Knit Coverall Kit/wGloves	Knit Coveralls Kit/wo Gloves	Knit Coverall Kit/wGloves	Knit Coverall Kit/woGloves
Small	19341-01	19341	19351-01	19351
Medium	19342-01	19342	19352-01	19352
Large	19343-01	19343	19353-01	19353
X-Large	19344-01	19344	19354-01	19354
XX-Large	19345-01	19345	19355-01	19355
XXX-Large	19346-01	19346	19356-01	19356
XXXX-Large	19347-01	19347	19357-01	19357

Jacket & Bib Overalls protect the total body, when used in conjunction with the proper arc hood and protective insulating gloves and leather protectors. Our New Ultra Lite Jacket & Bib Overalls reduces heat stress and offers you more freedom to move around making the work experience more comfortable.

40 cal/cm ² Apparel Kits				
Size	Jacket Overall/wGloves	Jacket Overall/wo Gloves	Coverall Kit/wGloves	Coverall Kit/wo Gloves
Small	23441-02	23441	23481-02	23481
Medium	23442-02	23442	23482-02	23482
Large	23443-02	23443	23483-02	23483
X-Large	23444-02	23444	23484-02	23484
XX-Large	23445-02	23445	23485-02	23485
XXX-Large	23446-02	23446	23486-02	23486
XXXX-Large	23447-02	23447	23487-02	23487

40 cal/cm ² Backpack Kits				
Size	Jacket Overall/wGloves	Jacket Overall/wo Gloves	Coverall Kit/wGloves	Coverall Kit/wo Gloves
Small	23541-02	23541	23581-02	23581
Medium	23542-02	23542	23582-02	23582
Large	23543-02	23543	23583-02	23583
X-Large	23544-02	23544	23584-02	23584
XX-Large	23545-02	23545	23585-02	23585
XXX-Large	23546-02	23546	23586-02	23586
XXXX-Large	23547-02	23547	23587-02	23587

Sizing Chart							
Jackets, Coats & Coveralls (Chest Sizes)							Coveralls: Standard Inseam = 32"
Small (36-38)	Medium (40-42)	Large (44-46)	XLarge (48-50)	2XL (52-54)	3XL (56-58)	4XL (60-62)	5XL (64-66)
Pants (Waist Sizes)							Pants: Standard Inseam = 32"
Xsmall (28-30)	Small (32-34)	Medium (36-38)	Large (40-42)	XLarge (44-46)	2XL (48-50)	3XL (52-54)	4XL (56-58)



For proper sizing of gloves use a seamstress measuring tape and measure around the palm of the hand. This is the size you would order for class 0 and 00 gloves. Example on the right--9 1/2 would be the correct size. For class 2 you would add a 1/2" for the correct size.



Size	Length	Class	Description	Glove+	Protector+	Glove Bag=	Kit
7	11"	00	Low Voltage (500 V Max)	30020	31010	30000	30200
8	11"	00	Low Voltage (500 V Max)	30022	31011	30000	30202
8-1/2	11"	00	Low Voltage (500 V Max)	30023	31011	30000	30203
9	11"	00	Low Voltage (500 V Max)	30024	31012	30000	30204
9-1/2	11"	00	Low Voltage (500 V Max)	30025	31012	30000	30205
10	11"	00	Low Voltage (500 V Max)	30026	31013	30000	30206
10-1/2	11"	00	Low Voltage (500 V Max)	30027	31013	30000	30207
11	11"	00	Low Voltage (500 V Max)	30028	31014	30000	30208
12	11"	00	Low Voltage (500 V Max)	30030	31015	30000	30210



Insulating Gloves need to be electrically tested every six months after being issued for service.



Size	Length	Class	Description	Glove+	Protector+	Glove Bag=	Kit
7	11"	0	Low Voltage (1000 V Max)	30450	31010	30000	30500
8	11"	0	Low Voltage (1000 V Max)	30452	31011	30000	30502
8-1/2	11"	0	Low Voltage (1000 V Max)	30453	31011	30000	30503
9	11"	0	Low Voltage (1000 V Max)	30454	31012	30000	30504
9-1/2	11"	0	Low Voltage (1000 V Max)	30455	31012	30000	30505
10	11"	0	Low Voltage (1000 V Max)	30456	31013	30000	30506
10-1/2	11"	0	Low Voltage (1000 V Max)	30457	31013	30000	30507
11	11"	0	Low Voltage (1000 V Max)	30458	31014	30000	30508
12	11"	0	Low Voltage (1000 V Max)	30460	31015	30000	30510



Size	Length	Class	Description	Glove+	Protector+	Glove Bag=	Kit
8	14"	2	High Voltage (17 KV Max)	32100	31070	30001	32140
8-1/2	14"	2	High Voltage (17 KV Max)	32101	31070	30001	32141
9	14"	2	High Voltage (17 KV Max)	32102	31071	30001	32142
9-1/2	14"	2	High Voltage (17 KV Max)	32103	31071	30001	32143
10	14"	2	High Voltage (17 KV Max)	32104	31072	30001	32144
10-1/2	14"	2	High Voltage (17 KV Max)	32105	31072	30001	32145
11	14"	2	High Voltage (17 KV Max)	32106	31073	30001	32146
12	14"	2	High Voltage (17 KV Max)	32108	31074	30001	32148

Size	Length	Class 3 Glove Kits	Kit
8	14"	High Voltage (26.5 KV Max)	32240
8-1/2	14"	High Voltage (26.5 KV Max)	32241
9	14"	High Voltage (26.5 KV Max)	32242
9-1/2	14"	High Voltage (26.5 KV Max)	32243
10	14"	High Voltage (26.5 KV Max)	32244
10-1/2	14"	High Voltage (26.5 KV Max)	32245
11	14"	High Voltage (26.5 KV Max)	32246
12	14"	High Voltage (26.5 KV Max)	32248

Size	Length	Class 4 Glove Kits	Kit
9	16"	High Voltage (36 KV Max)	32342
9-1/2	16"	High Voltage (36 KV Max)	32343
10	16"	High Voltage (36 KV Max)	32344
10-1/2	16"	High Voltage (36 KV Max)	32345
11	16"	High Voltage (36 KV Max)	32346
12	16"	High Voltage (36 KV Max)	32348



Hot Sticks

High Visibility - Fluorescent tip section is highly visible and has a foam core. All tip sections are 1.15" diameter. All sections are 100% tested per OSHA and ASTM F-711. Ergonomically designed for better control. Triangle shape allows each section to lock in automatically. Strong aluminium alloy head holds universal attachments securely. Easy disassembly & Easy maintenance.

Cat. No.	Extended Length	Retracted Length	Base Diameter	Weight
39020	8'	26"	1.75"	3.0 lbs.
39021	12'7"	58"	1.45"	3.7 lbs.
39022	16'9"	60"	1.61"	5.0 lbs,
39023	21'	62"	1.75"	6.4 lbs.
39024	25'6"	64"	1.91"	8.1 lbs
39025	30'	66"	2.07"	10.0 lbs.
39026	35'	68"	2.22"	12.1 lbs.
39027	40'	69"	2.38"	14.4 lbs.
39033	6'6"	Shot Gun	Stick	10.0 lbs.





Gear electrical insulation material is designed to protect personnel, equipment and work areas from electrical hazards. ASTM D178-88 Type 2 rolls are flame, oil, ozone and puncture resistant. Factory tested rubber is flexible to -60°F and won't melt. Use Class 0 material to 1,000 Volt and Class 1 material to 7,500 Volts AC maximum. Our material storage/carrying bag not only protects the material, but also makes it easy to transport and use. Bag and clamps are included with the kits.

Cat. No.	Description
35052	Type 2 (Flame, Oil, Ozone Resistent) 36" X 30' 1000 Volt Roll Kit
35054	Type 2 (Flame, Oil, Ozone Resistent) 36" X 30' 7500 Volt Roll Kit
35056	3' X 30' 7.5KV MAX. PVC Roll with storage bag and two clamps
35058	Type 2 (Flame, Oil, Ozone Resistent) 36" X 30' 1000 Volt Roll Only
35060	Type 2 (Flame, Oil, Ozone Resistent) 36" X 30' 7500 Volt Roll Only
35062	3' X 30' 7.5KV MAX. PVC Roll Only
35063	Blanket & PVC Roll Bag with Velcro Closure--Webbing Handles
35075	Blanket Clamp Pins With 4" Jaw (Set of 2)

Type 1 Insulating Blankets

Meets ASTM D1048-05 Standards

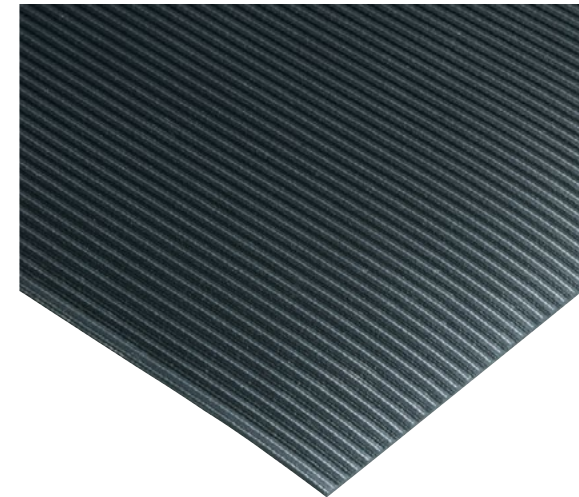
Cat. No.	Description
35000	36" x 36" Class 0 Blanket Kit (Blanket, Clamps, Canister)
35010	36" X 36" Class 2 Blanket Kit (Blanket, Clamps, Canister)
35020	36" X 36" Class 4 Blanket Kit (Blanket, Clamps, Canister)
35030	36" x 36" Class O Blanket Only
35040	36" x 36" Class 2 Blanket Only
35050	36" x 36" Class 4 Blanket Only
35072	7" X 37.5" Blanket Canister Only



Glove Accessories



Cat. No.	Description
34054	1 Case (12-5 oz. Bottles) Talc
34055	5 oz. Bottle Talc Glove Dust
34060	Glove Inflator Kit G-99 (Class 2,3,4)
34060-A	Low voltage test adaptor for G-99 (Class 00,0)
35555	10" Cotton Glove Liners-Knit Cuff. (Sold in Pairs)



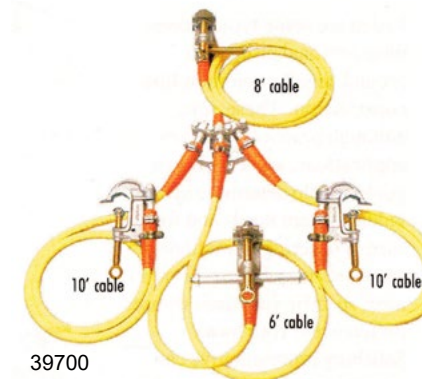
Rubber Insulating matting is used for personal protection. When using insulating matting it affords the user a margin of safety for the maximum voltage that is rated for. It is commonly placed in front of switchgear, motor control centers and other high voltage electrical apparatus to provide a level of protection for electrical workers. Made from high quality rubber and tested to comply with ASTM D178-01 specifications. The corrugated surface has a safety tread that reduces the possibility of slipping or falling. OSHA requirements are intended to eliminate high voltage electrical shock in the workplace and matting affords the worker another layer of protection from electrical shock.
Available in 75' Rolls
38201-75 36" X 75' 20KV 3/16" Matting
38220-75 36" X 75' 20KV 1/4" Matting
All matting FOB San Antonio, No prepaid Freight

Cat. No.	Dielectric Test Voltage	Thickness	Size	Class	Maximum Use Voltage
38201	20,000	3/16"	36" X 12"	1	7,500
38202	20,000	3/16"	36" X 24"	1	7,500
38203	20,000	3/16"	36" X 36"	1	7,500
38204	20,000	3/16"	36" X 48"	1	7,500
38220	30,000	1/4"	36" X 12"	2	17,000
38221	30,000	1/4"	36" X 24"	2	17,000
38222	30,000	1/4"	36" X 36"	2	17,000
38223	30,000	1/4"	36" X 48"	2	17,000



39210 Safety Rescue Hook
39210 8' Safety Rescue Hook 18" Width. It is used to withdraw an injured worker out of a hazardous area.

39700 Grounding Set



39700
Four Way Connector Ground Set - Grade 2
21 kA 15 cycles
ASTM Grade 5
Four Way Connector w/sleeves
1.5" Serrated Jaw Clamps w/ Sleeves
Double hanger stud
Contact Stud
34" 1/0 Cable

39205 Voltage Detector



39205 Voltage Detector

- Visual and Sound Indicators.
- Non-contact High voltage detector
- Wide range of detection; 80V to 275KV; one instrument fits all application
- Eight switch-selectable voltage sensitivity ranges.
- Self-test ensures that all system functions are working properly by energizing the complete system.
- 39205 Kit includes a hard carrying case, 3 C batteries, hot stick shotgun adapter and user manual.

9 Piece Electrician's Tool Kit

Tools included, 9" Linesman, 7" Diagonal Cutter, 7" Needle Nose, 8" Wire Strippers, 1/4" X 6" Screwdriver, 3/16" X 6" Screwdriver, #1 X 3" Phillips Screwdriver, #2 X 4" Phillips Screwdriver and #2 Square Drive Robertson Screwdriver.

50325 in 19" Tool Box



Linesman and Diagonal Cutter and Needle nose are made from C1080 High Carbon Steel for superior performance and durability. Xtreme Leverage Technology means considerably less force required.

Panel Male Hex Drive Kit # 50120



- kit Includes:
- 3/8" Drive Ratchet
 - 3/8" X 10" Extension
 - 3/16" X 2-1/4" Male Hex Bit 3/8" Drive
 - 7/32" X 2-1/4" Male Hex Bit 3/8" Drive
 - 1/4" X 2-1/4" Male Hex Bit 3/8" Drive
 - 5/16" X 2-1/4" Male Hex Bit 3/8" Drive
 - 3/8" X 2-1/4" Male Hex Bit 3/8" Drive
 - 7/16" X 2-1/4" Male Hex Bit 3/8" Drive
 - 1/2" X 2-1/4" Male Hex Bit 3/8" Drive
 - Heavy duty canvas storage bag



Cat. No.	Screwdriver & Nut Driver Sets with heavy duty canvas storage bags.
46299	5 Pcs Screwdriver Set #2 X 6", #3 X 6", 3/16" X 6", 1/4" X 6", 3/8" X 8"
46300	6 Pcs Screwdriver Set #1, #2, 1/8" X 4", 3/16 X 6", 1/4' X 6", 5/16" X 6"
46305	7 Pcs Screwdriver Set #1, #2, #3, 3/16 X 6", 1/4' X 6", 5/16" X 6", 3/8 X 8"
46310	10 Pcs Screwdriver Set #1, #2, #3, 1/8" X 4", 3/16" X 3", 3/16" X 6", 1/4" X 4", 1/4" X 6", 5/16" X 6", 3/8" X 8"
46695	7 Pcs 3" Nut Driver Set 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"
46895	7 Pcs 6" Nut Driver Set 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"

45393 13 Pieces Socket Set with Canvas Bag

3/8" Drive Ratchet, 3" & 6" Ext/Socket Set 5/16" - 7/8" by 1/16"





Linesman

New England Style head for easier access to tight areas. High leverage.



The Aussie Linesman is the only Linesman to offer a shearing action cut; meaning less effort on your part.

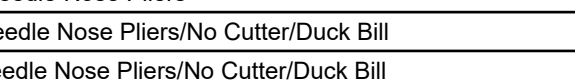
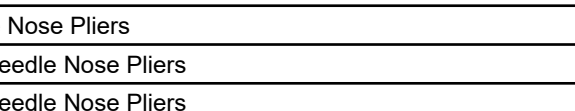
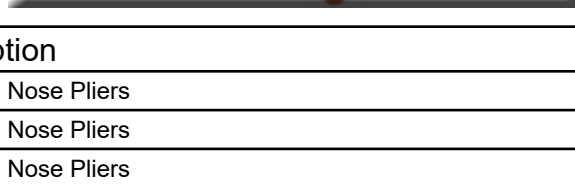
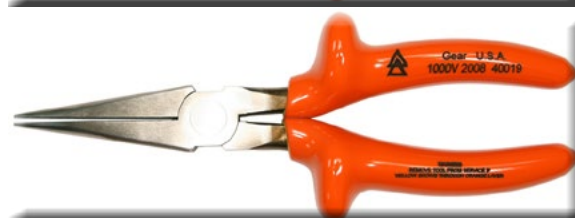
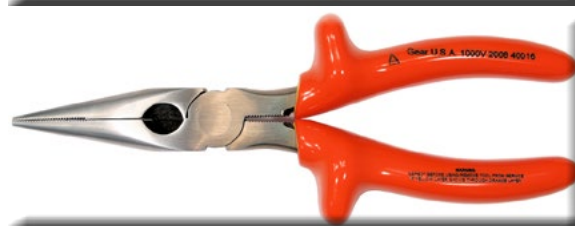


Cat. No.	Description
40000	7 1/2" Linesman Pliers
40001	8 1/2" Linesman Pliers
40002	9 1/2" Premium Linesman Pliers
40005	9 1/2" Standard Linesman Pliers
40006	9 1/2" Premium Linesman Pliers/w Crimp
40007	8 1/2" Premium Aussie Linesman Pliers/w Crimp
40008	10 1/2" Premium Linesman Pliers

Needle Nose Pliers

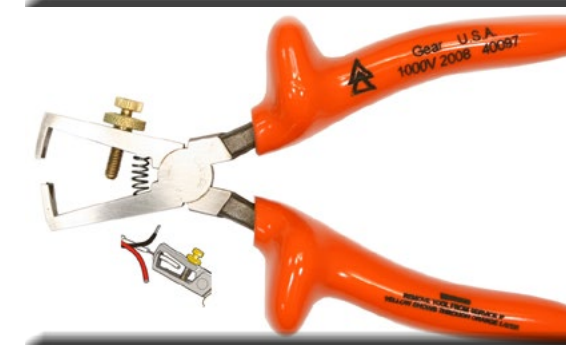
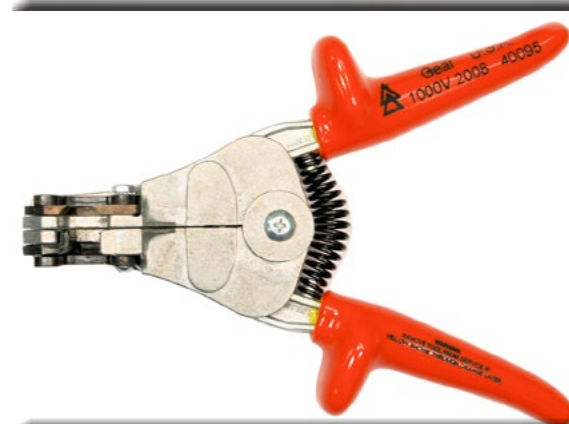


ASTM-F1505-10



Cat. No.	Description
40011	4" Needle Nose Pliers
40012	6" Needle Nose Pliers
40013	7" Needle Nose Pliers
40016	8" Needle Nose Pliers
40017	6" Bent Needle Nose Pliers
40018	8" Bent Needle Nose Pliers
40019	Round Needle Nose Pliers/No Cutter/Duck Bill
40020	8" Flat Needle Nose Pliers/No Cutter/Duck Bill

Wire Strippers



Cat. No.	Description
40091	Ergonomic Wire Stripper (Solid) 10-20 AWG
40092	Combination Stripper & Crimper Pliers 10-22 AWG
40095	Automatic Wire Stripper 10-22 AWG
40096	Stranded Wire Stripper 8-18 AWG
40097	In Line Adjustable Wire Stripper

Diagonal Cutters



ASTM-F1505-10



Cat. No.	Description
40030	4 1/2" Diagonal Cutting Pliers
40032	6" Diagonal Cutting Pliers
40034	7" Diagonal Cutting Pliers
40035	8" Diagonal Cutting Pliers
40036	9 1/2" Diagonal Cutting Pliers - High Leverage

Crimpers

Cat. No.	Description
40080	10" Crimping Pliers

Slip Joints

Cat. No.	Description
40070	6" Slip Joint Pliers
40071	8" Slip Joint Pliers
40072	10" Slip Joint Pliers



Cable Cutters Pliers



Cat. No.	Description
40040	8.5" Telephone Cable Cutter 2/0 Alum, 2/0 Copper
40045	9-1/2" Cable Cutter Standard 4/0 Alum, 2/0 Copper
40050	9-1/2" Cable Cutter Premium 4/0 Alum, 2/0 Copper
40055	2.95" Ratcheting Cable Cutter (750 CM)
Note:	Never cut steel or steel reinforced cable



Shear-cut blades cut cleanly and leave no burrs or sharp edges, works in tight spaces, quick release blade, high strength ratcheting teeth, handle lock, hardened long life blades.
Range: 750 MCM Copper, 750 MCM Aluminum. Length 9 1/2". Will not cut ACSR

Water Pump Pliers



Cat. No.	Description
40083	4" Water Pump Pliers
40085	6" Water Pump Pliers
40086	10" Water Pump Pliers
40087	12" Water Pump Pliers



Cat. No.	Description
42002	6" Adjustable Wrench
42006	8" Adjustable Wrench
42008	10" Adjustable Wrench
42010	12" Adjustable Wrench
42012	15" Adjustable Wrench

• Warning: Not 1000V Rated
Does not meet ASTM standards for insulated tools



ASTM-F1505-10



Cat. No.	Description
40089	10" Box Joint Pliers
40090	12" Box Joint Pliers



Cat. No.	Description
40116	7" Straight Point Probe
40117	7" 45 Degree Bend Point
40119	7" Hook Point
40118	7" 45 Degree Bend Point
40120	4 PCS Hook and Probe Set

Screwdrivers & Nut Drivers



ASTM-F1505-10



Cat. No.	Description---Micro Srewdrivers
46012	1/8" X 4 1/2" Slotted Screwdriver
46220	#0 X 2 1/2" Phillips Screwdriver



Cat. No.	Description
46130	3/16" x 3" Electrician's Slotted Screwdriver
46131	3/16" X 6" Electrician's Slotted Screwdriver
46140	1/4" X 4" Electrician's Slotted Screwdriver
46142	1/4" X 6" Electrician's Slotted Screwdriver
46152	5/16" X 6" Electrician's Slotted Screwdriver
46160	3/8" X 8" Electrician's Slotted Screwdriver



Cat. No.	Description
46718	#2 X 4" Square Robertson Screwdriver
46730	#3 X 4" Square Robertson Screwdriver

Cat. No. Screwdriver & Nut Driver Sets

46299	5 Pcs Screwdriver Set #2 X 6", #3 X 6", 3/16" X 6", 1/4" X 6", 3/8" X 8"
46300	6 Pcs Screwdriver Set #1, #2, 1/8" X 4", 3/16 X 6", 1/4" X 6", 5/16" X 6"
46305	7 Pcs Screwdriver Set #1, #2, #3, 3/16 X 6", 1/4" X 6", 5/16" X 6", 3/8 X 8"
46310	10 Pcs Screwdriver Set #1, #2, #3, 1/8" X 4", 3/16" X 3", 3/16" X 6", 1/4" X4", 1/4" X 6", 5/16" X 6", 3/8" X 8"
46695	7 Pcs 3" Nut Driver Set 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"
46895	7 Pcs 6" Nut Driver Set 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"



Cat. No.	Description
46002	1/4" X 6" Slotted Holding Screwdriver
46004	#2 X 6" Phillips Holding Screwdriver



Cat. No.	Description
46402	1/4" X 4" Slotted Offset Screwdriver
46408	#2 X 4" Phillips Offset Screwdriver

Cat. No.	Description
46230	#1 x 3" Phillips Screwdriver
46240	#2 X 4" Phillips Screwdriver
46242	#2 X 6" Phillips Screwdriver
46250	#3 X 6" Phillips Screwdriver

All Standard and Phillips Screwdrivers are Industrial Black Oxide Coated for the toughest application.



Cat. No.	Description
46610	3/16" X 3" Hollow Hex Shank Nut Driver
46630	1/4" X 3" Hollow Hex Shank Nut Driver
46650	5/16" X 3" Hollow Hex Shank Nut Driver
46660	11/32" X 3" Hollow Hex Shank Nut Driver
46670	3/8" X 3" Hollow Hex Shank Nut Driver
46680	7/16" X 4" Hollow Hex Shank Nut Driver
46690	1/2" X 4" Hollow Hex Shank Nut Driver



Cat. No.	Description
46810	3/16" X 6" Hollow Hex Shank Nut Driver
46830	1/4" X 6" Hollow Hex Shank Nut Driver
46850	5/16" X 6" Hollow Hex Shank Nut Driver
46860	11/32" X 6" Hollow Hex Shank Nut Driver
46870	3/8" X 6" Hollow Hex Shank Nut Driver
46880	7/16" X 6" Hollow Hex Shank Nut Driver
46890	1/2" X 6" Hollow Hex Shank Nut Driver



Cat. No.	Description
46910	5 MM X 3" Insulated Nut Driver
46915	5.5 MM X 3" Insulated Nut Driver
46920	6 MM X 3" Insulated Nut Driver
46925	7 MM X 3" Insulated Nut Driver
46930	8 MM X 3" Insulated Nut Driver
46940	10 MM X 3" Insulated Nut Driver
46950	11 MM X 3" Insulated Nut Driver



Cat. No.	Description
45603	10" 3/8" DR. Torque Wrench 30-150 in/lbs
45604	13" 3/8" DR. Torque Wrench 50-250 in/lbs
45605	15" 3/8" DR. Torque Wrench 15-75 ft/lbs
45606	15" 3/8" DR. Torque Wrench 150-750 in/lbs
45608	15" 1/2" DR. Torque Wrench 150-750 in/lbs

ASTM-F1505-10

Ratchets & Torque Wrenches



Cat. No.	Description
45590	6 3/8" Length 6 - 30"-lb Torque Screwdriver

Extensions & Breaker Bars



Cat. No.	Description
45512	6" 1/4" Drive Extension Bar
45514	3" 3/8" Drive Extension Bar
45516	6" 3/8" Drive Extension Bar
45518	10" 3/8" Drive Extension Bar
45520	1/2" Drive 3" Extension Bar
45522	5" 1/2" Drive Extension Bar
45524	10" 1/2" Drive Extension Bar



Cat. No.	Description
45200	9" 3/8" Drive Breaker Bar
45201	14" 1/2" Drive Breaker Bar



Cat. No.	Description
45300	1/4" 3/8" Drive Hex Socket
45301	5/16" 3/8" Drive Hex Socket
45302	3/8" 3/8" Drive Hex Socket
45303	7/16" 3/8" Drive Hex Socket
45304	1/2" 3/8" Drive Hex Socket
45305	9/16" 3/8" Drive Hex Socket
45306	5/8" 3/8" Drive Hex Socket
45307	11/16" 3/8" Drive Hex Socket
45308	3/4" 3/8" Drive Hex Socket
45309	13/16" 3/8" Drive Hex Socket
45310	7/8" 3/8" Drive Hex Socket
45311	15/16" 3/8" Drive Hex Socket
45312	1" 3/8 Drive Hex Socket

Male Hex & Hex Sockets



ASTM-F1505-10



Cat. No.	Description
45660	1/8" X 2-1/4" Male Hex Bit 3/8" Drive
45661	5/32" X 2-1/4" Male Hex Bit 3/8" Drive
45662	3/16" X 2-1/4" Male Hex Bit 3/8" Drive
45663	7/32" X 2-1/4" Male Hex Bit 3/8" Drive
45664	1/4" X 2-1/4" Male Hex Bit 3/8" Drive
45665	5/16" X 2-1/4" Male Hex Bit 3/8" Drive
45666	3/8" X 2-1/4" Male Hex Bit 3/8" Drive
45667	7/16" X 2-1/4" Male Hex Bit 3/8" Drive
45668	1/2" X 2-1/4" Male Hex Bit 3/8" Drive

Cat. No. Male Hex Drive Sets

45710	5 Pcs Set 3/16"-3/8"
45711	7 Pcs Set 3/16"-1/2"
45712	9 Pcs Set 1/8"-1/2"



Cat. No.	Description
45341	3/8" 1/2" Drive Hex Socket
45342	7/16" 1/2" Drive Hex Socket
45343	1/2" 1/2" Drive Hex Socket
45344	9/16" 1/2" Drive Hex Socket
45345	5/8" 1/2" Drive Hex Socket
45346	11/16" 1/2" Drive Hex Socket
45347	3/4" 1/2" Drive Hex Socket
45348	13/16" 1/2" Drive Hex Socket
45349	7/8" 1/2" Drive Hex Socket
45350	15/16" 1/2" Drive Hex Socket
45351	1" 1/2" Drive Hex Socket
45352	1-1/16" 1/2" Drive Hex Socket
45353	1-1/8" 1/2" Drive Hex Socket
45354	1-1/4" 1/2" Drive Hex Socket

Cat. No.	Description
45360	3/8" 1/2" Drive Deep Wall Hex Socket
45361	7/16" 1/2" Drive Deep Wall Hex Socket
45362	1/2" 1/2" Drive Deep Wall Hex Socket
45363	9/16" 1/2" Drive Deep Wall Hex Socket
45364	5/8" 1/2" Drive Deep Wall Hex Socket
45365	11/16" 1/2" Drive Deep Wall Hex Socket
45366	3/4" 1/2" Drive Deep Wall Hex Socket
45367	13/16" 1/2" Drive Deep Wall Hex Socket
45368	7/8" 1/2" Drive Deep Wall Hex Socket
45369	15/16" 1/2" Drive Deep Wall Hex Socket
45370	1" 1/2" Drive Deep Wall Hex Socket
45371	1-1/16" 1/2" Drive Deep Wall Hex Socket
45372	1-1/8" 1/2" Drive Deep Wall Hex Socket
45373	1-1/4" 1/2" Drive Deep Wall Hex Socket

Cat. No. PCS Description-Ratchet & Socket Sets & Heavy Duty Storage Bag

45391	9 pcs	3/8" Drive Set Ratchet, 3" Ext, Sockets 3/8"-3/4"
45392	11 pcs	3/8" Drive Ratchet Socket Set Includes Ratchet, 3" & 6" Ext., Sockets 3/8"-13/16"
45393	13 pcs	3/8" Drive Ratchet, 3" & 6" Ext/Socket Set 5/16" - 7/8" by 1/16" --- Most Popular
45394	10 pcs	3/8" Drive Socket Set 5/16"-7/8" in 1/16" increment-Sockets only
45395	9 pcs	3/8" Drive Ratchet Set W/3" Extension Deep 3/8" - 3/4"
45396	12 pcs	12 pcs 3/8" Drive Ratchet with 3" & 6" Ext/Socket Set Deep 3/8" - 7/8"
45397	11 pcs	3/8" Drive Ratchet, 3" & 6" Ext, 3/8 - 13/16" Deep
45399	13 pcs	1/2" Drive Ratchet, 5" Ext, Socket Set 3/8" - 1"
45400	16 pcs	1/2" Drive Ratchet, 5" & 10" Ext Bars, Sockets 3/8" - 1" & Breaker Bar





Cat. No	PCS	Box End Wrench Sets
47391	8	Box End Wrench Set (3/8 - 13/16")
47392	11	Box End Wrench Set (1/4 - 7/8")
47393	13	Box End Wrench Set (1/4" - 1")



Box & Open End Wrenches



Cat. No	PCS	Open End Wrench Sets
47337	8	Open End Wrench Set (3/8 - 13/16")
47338	11	Open End Wrench Set (1/4 - 7/8")
47340	13	Open End Wrench Set (1/4" - 1")



Cat. No.	Description
47350	1/4" Long Box End Wrench
47352	5/16" Long Box End Wrench
47354	3/8" Long Box End Wrench
47356	7/16" Long Box End Wrench
47358	1/2" Long Box End Wrench
47360	9/16" Long Box End Wrench
47362	5/8" Long Box End Wrench
47364	11/16" Long Box End Wrench
47366	3/4" Long Box End Wrench
47368	13/16" Long Box End Wrench
47370	7/8" Long Box End Wrench
47372	15/16" Long Box End Wrench
47374	1" Long Box End Wrench
47376	1-1/16" Long Box End Wrench
47378	1-1/8" Long Box End Wrench
47380	1-1/4" Long Box End Wrench
47382	1-3/8" Long Box End Wrench
47384	1-1/2" Long Box End Wrench
47386	1-5/8" Long Box End Wrench



Cat. No.	Description
47300	1/4" Long Open End Wrench
47302	5/16" Long Open End Wrench
47304	3/8" Long Open End Wrench
47306	7/16" Long Open End Wrench
47308	1/2" Long Open End Wrench
47310	9/16" Long Open End Wrench
47312	5/8" Long Open End Wrench
47314	11/16" Long Open End Wrench
47316	3/4" Long Open End Wrench
47318	13/16" Long Open End Wrench
47320	7/8" Long Open End Wrench
47322	15/16" Long Open End Wrench
47324	1" Long Open End Wrench
47326	1-1/16" Long Open End Wrench
47328	1-1/8" Long Open End Wrench
47330	1-1/4" Long Open End Wrench
47332	1-3/8" Long Open End Wrench
47334	1-1/2" Long Open End Wrench
47336	1-5/8" Long Open End Wrench

Ratcheting Wrenches



Cat. No.	Description
47650	1/4" Ratcheting Box End Wrench
47651	5/16" Ratcheting Box End Wrench
47652	3/8" Ratcheting Box End Wrench
47653	7/16" Ratcheting Box End Wrench
47654	1/2" Ratcheting Box End Wrench
47655	9/16" Ratcheting Box End Wrench
47656	5/8" Ratcheting Box End Wrench
47657	11/16" Ratcheting Box End Wrench
47658	3/4" Ratcheting Box End Wrench
47659	7/8" Ratcheting Box End Wrench



Cat. No.	Description
47202	5/16" Geared Ratcheting Wrench
47203	3/8" Geared Ratcheting Wrench
47204	7/16" Geared Ratcheting Wrench
47205	1/2" Geared Ratcheting Wrench
47206	9/16" Geared Ratcheting Wrench
47207	5/8" Geared Ratcheting Wrench
47208	11/16" Geared Ratcheting Wrench
47209	3/4" Geared Ratcheting Wrench
47210	13/16" Geared Ratcheting Wrench
47211	7/8" Geared Ratcheting Wrench
47212	15/16" Geared Ratcheting Wrench
47213	1" Geared Ratcheting Wrench

Cat. No.	PCS	Description
47215	9 pcs	Geared Box End Wrench Set (3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, .7/8)

Long Arm Hex Keys



Cat. No.	Description
41123	1/16" Long Arm Hex Key
41124	5/64" Long Arm Hex Key
41125	3/32" Long Arm Hex Key
41126	7/64" Long Arm Hex Key
41127	1/8" Long Arm Hex Key
41128	9/64" Long Arm Hex Key
41129	5/32" Long Arm Hex Key
41130	3/16" Long Arm Hex Key
41131	7/32" Long Arm Hex Key
41132	1/4" Long Arm Hex Key
41134	5/16" Long Arm Hex Key
41136	3/8" Long Arm Hex Key
41138	7/16" Long Arm Hex Key
41140	1/2" Long Arm Hex Key
41141	9/16" Long Arm Hex Key
41142	5/8" Long Arm Hex Key
41143	3/4" Long Arm Hex Key
41144	7/8" Long Arm Hex Key
41145	1" Long Arm Hex Key



Hex Key Sets



Cat. No.	PCS	Description
41150	7 pcs	Long Arm Hex Key Set (5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4)
41152	10 pcs	Long Arm Hex Key Set (7/16 Thru 3/8 w/o 7/64, 9/64)
41154	14 pcs	Long Arm Hex Wrench Set (1/16" Thru 1/2")



T Handle Hex Wrenches



Cat. No.	Description
40200	5/64" X 6" "T" Handle Hex Wrench
40201	3/32" X 6" "T" Handle Hex Wrench
40202	7/64" X 6" "T" Handle Hex Wrench
40203	1/8" X 6" "T" Handle Hex Wrench
40204	9/64" X 6" "T" Handle Hex Wrench
40205	5/32" X 6" "T" Handle Hex Wrench
40206	3/16" X 6" "T" Handle Hex Wrench
40207	7/32" X 6" "T" Handle Hex Wrench
40208	1/4" X 6" "T" Handle Hex Wrench
40209	5/16" X 6" "T" Handle Hex Wrench
40210	3/8" X 6" "T" Handle Hex Wrench
40211	7/16" X 6" "T" Handle Hex Wrench
40212	1/2" X 6" "T" Handle Hex Wrench
40213	9/16" X 6" "T" Handle Hex Wrench

Cat. No.	PCS	Description
40220	8 pcs	"T" Handle Hex Wrench Set (1/8"-3/8")
40222	10 pcs	"T" Handle Hex Wrench Set (3/32"-3/8")
40224	10 pcs	"T" Handle Hex Wrench Set (1/8 Thru 1/2)
40226	11 pcs	"T" Handle Hex Wrench Set (1/8 Thru 9/16")
40228	13 pcs	"T" Handle Hex Wrench Set (3/32" Thru (9/16")

Mirror & Magnetic Pickup



Cat. No.	Description
49500	14" Long 2 1/4" Inspection Mirror
49504	15" Long 3 1/4" Inspection Mirror
Cat. No.	Description
49510	16" Long Magnetic Retrieving Tool



Cat. No.	Description
40250	7-1/2" Fuse Puller 1/2"-1" Diameter



Cat. No.	Description
40252	7" Plastic Pliers with Guards



Cat. No.	Description
29010	Canvas Tool Bag 15" X 8" X 13"
29562	Canvas Tool Bag 12" X 9" (above T handle)

Insulated Knife



Cat. No.	Description-Length
40260	Straight Blade Insulated Knife 7 1/4"
40262	Sickle Blade Insulated Knife 7 1/4"

50320 Basic Electrician's Tool Roll



The Kit every Electrician should own.

- Roll Includes:
- 3/16 X 6" CG Slotted Screwdriver
 - 1/4" X 6" CG Slotted Screwdriver
 - #2 X 4" CG SQ Robertson
 - #1 X 3" CG Phillips Screwdriver
 - #2 X 4" CG Phillips Screwdriver
 - 7" Diagonal Cutting Pliers
 - 7" Needle Nose Pliers
 - Combination Wire Stripper & Crimper
 - 9 1/2" Linesman Pliers


50355 Screwdriver & Nut Driver Tool Roll

- Roll Includes:
- 3/16 X 6" CG Slotted Screwdriver
 - 1/4" X 6" CG Slotted Screwdriver
 - 5/16" X 6" CG Slotted Screwdriver
 - #1 X 3" CG Phillips Screwdriver
 - #2 X 6" CG Phillips Screwdriver
 - 3/16" X 6" CG Nut Driver
 - 1/4" X 6" CG Nut Driver
 - 5/16" X 6" CG Nut Driver
 - 11/32" X 6" CG Nut Driver
 - 3/8" X 6" CG Nut Driver
 - 7/16" X 6" CG Nut Driver
 - 1/2" X 6" CG Nut Driver
- Order 50354 set with 3" Nut Drivers



Insulated Tools

Gear Arc Safety insulated tools are rated for 1,000V AC/1,500V DC live line use, but are tested up to 10,000V AC. Our premium quality insulated tools provide protection against flashover shock, burns and drop tool shorts. They comply or exceed ASTM F1505 standards, and comply with IEC 900 standards for insulated hand tools. They meet OSHA 1910.333(c) (2) and NFPA 70E requirements. All of the insulated hand tools are impact resistant and flame retardant. All of our insulated tools are two color insulated. If the outer orange insulation becomes damaged to show the underlying yellow insulation, the tool may no longer be insulated properly and should be replaced. Tools should be kept, dry and free of contaminants. Tools are laser marked for permanent identification.

Always look for this symbol  before using any hand tool within 12" of a energized circuit exceeding 50 volts.

Electrician's Service Holster



50205 Service Holster Includes:

- 1/8" X 4" Slotted Screwdriver
- 3/16" X 6" CG Slotted Screwdriver
- 1/4" X 6" CG Slotted Screwdriver
- #2 X 4" CG Phillips Screwdriver
- 3/16" X 3" CG Nut Driver
- 1/4" X 3" CG Nut Driver
- 5/16" X 3" CG Nut Driver
- 7" Needle Nose Pliers
- 7" Diagonal Cutter
- 9 1/2" Linesman Pliers
- 7 1/2" Wire Strippers
- 10" Water Pump Pliers
- Fuse Puller
- Insulated Knife
- CG=Cushion Grip/Tape not included



50360 7 Pcs Tool Roll

Roll Includes:

- 9 1/2" Linesman
- 10" Crimper
- 7" Needle Nose Pliers
- Combination Stripper & Crimper
- 7" Diagonal Cutting Pliers
- Fuse Puller
- Nylon Pliers



50394 Meter Reader Tool Roll

- 3/16" X 6" CG Slotted Screwdriver
- 1/4" X 6" CG Slotted Screwdriver
- #1 X 3" CG Phillips Screwdriver
- #2 X 6" CG Phillips Screwdriver
- 5/16" X 6" CG Nut Driver
- 3/8" X 6" CG Nut Driver
- 1/2" X 6" CG Nut Driver
- 8" Needle Nose Pliers
- Nylon Pliers
- Fuse Puller
- CG=Cushion Grip



50300 11 Pcs Tool Kit

Kit Includes:

- 3/16 X 6" CG Slotted Screwdriver
- 1/4" X 6" CG Slotted Screwdriver
- #2 X 4" CG SQ Robertson
- #1 X 3" CG Phillips Screwdriver
- #2 X 6" CG Phillips Screwdriver
- 7" Diagonal Cutting Pliers
- 7" Needle Nose Pliers
- 7" Wire Stripper & Crimper
- 9 1/2" Linesman Pliers
- 10" Crimping Pliers
- 10" Water Pump Pliers

Basic Kit includes 11 tools and 19" Storage Box



50306 13 Pcs Tool Kit

Basic Kit includes 13 tools and 19" Storage Box

Kit Includes:

- 3/16 X 6" CG Slotted Screwdriver
- 1/4" X 6" CG Slotted Screwdriver
- 5/16" X 6" CG Slotted Screwdriver
- #1 X 3" CG Phillips Screwdriver
- #2 X 6" CG Phillips Screwdriver
- #3 X 6" CG Phillips Screwdriver
- 7" Diagonal Cutting Pliers
- 7" Needle Nose Pliers
- 7" Wire Stripper & Crimper
- 9 1/2" Linesman Pliers
- 10" Crimping Pliers
- 10" Water Pump Pliers
- 9-1/2" Cable Cutter



- Kit Includes:
- 3/16 X 6" CG Slotted Screwdriver
 - 1/4" X 4" CG Slotted Screwdriver
 - 1/4" X 6" CG Slotted Screwdriver
 - 5/16" X 6" CG Slotted Screwdriver
 - #2 X 4" CG Robertson Sq. Dr. Screwdriver
 - #1 X 3" CG Phillips Screwdriver
 - #2 X 4" CG Phillips Screwdriver
 - 9 1/2" Linesman
 - 7" Needle Nose Pliers
 - 7" Diagonal Cutter
 - 10" Water Pump Pliers
 - 7 1/2" Wire Strippers
 - 8" Slip Joint Pliers
 - 1/4" Long Arm Hex Wrench
 - 5/16" Long Arm Hex Wrench
 - 3/8" Long Arm Hex Wrench
 - 7/16" Long Arm Hex Wrench
 - 1/2" Long Arm Hex Wrench
 - 1/4" X 3" Cushion Grip Nut Driver
 - 5/16" X 3" Cushion Grip Nut Driver
 - 3/8" X 3" Cushion Grip Nut Driver
 - 7/16" X 4" Cushion Grip Nut Driver
 - 1/2" X 4" Cushion Grip Nut Driver
 - Fuse Puller

50490 Maintenance Kit
CG=Cushion Grip

Basic Kit includes 24 tools and 19" storage box.

Maintenance Tool Kit



30 Piece Insulated Tool Kit



- Kit Includes:
- 3/16 X 3" CG Slotted Screwdriver
 - 3/16 X 6" CG Slotted Screwdriver
 - 1/4" X 4" CG Slotted Screwdriver
 - 1/4" X 6" CG Slotted Screwdriver
 - 5/16" X 6" CG Slotted Screwdriver
 - 3/8" X 8" CG Slotted Screwdriver
 - #1 X 3" CG Phillips Screwdriver
 - #2 X 4" CG Phillips Screwdriver
 - 9 1/2" Linesman
 - 9 1/2" Cable Cutters
 - 8" Needle Nose Pliers
 - 7" Diagonal Cutter
 - 10" Water Pump Pliers
 - 12" Water Pump Pliers
 - 9" Crimping Pliers
 - 6" Flat Nose Pliers
 - 8" Slip Joint Pliers
 - 3/16" T Handle
 - 1/4" T Handle
 - 5/16" T Handle
 - 3/8" T Handle
 - 7/16" T Handle
 - 1/2" T Handle
 - 3/16" X 3" CG Nut Driver
 - 1/4" X 3" CG Nut Driver
 - 5/16" X 3" CG Nut Driver
 - 11/32" X 3" CG Nut Driver
 - 3/8" X 3" CG Nut Driver
 - 7/16" X 4" CG Nut Driver
 - 1/2" X 4" CG Nut Driver

30 Piece Insulated Tool Kit
50308 Kit with 3" Cushion Grip Nut Drivers

Basic Kit includes 30 tools and 23" storage box.
3 Storage Bags included for Screwdrivers, Nut Drivers and T Handles

23 Piece Insulated Tool Kit



23 Piece Insulated Tool Kit
50406 Kit with 3" Cushion Grip Nut Drivers
50408 Kit with 6" Cushion Grip Nut Drivers
CG=Cushion Grip

Basic Kit includes 21 tools with 2 tool rolls and 19" storage box.

- Kit Includes:
- 3/16 X 6" CG Slotted Screwdriver
 - 1/4" X 4" CG Slotted Screwdriver
 - 1/4" X 6" CG Slotted Screwdriver
 - 5/16" X 6" CG Slotted Screwdriver
 - #1 X 3" CG Phillips Screwdriver
 - #2 X 4" CG Phillips Screwdriver
 - 9 1/2" Linesman
 - 7" Needle Nose Pliers
 - 7" Diagonal Cutter
 - 10" Water Pump Pliers
 - Crimping Pliers
 - 7" Wire Strippers
 - 5/16" T Handle
 - 3/8" T Handle
 - 7/16" T Handle
 - 1/2" T Handle
 - 3/16" X 3" Cushion Grip Nut Driver
 - 1/4" X 3" Cushion Grip Nut Driver
 - 5/16" X 3" Cushion Grip Nut Driver
 - 11/32" X 3" Cushion Grip Nut Driver
 - 3/8" X 3" Cushion Grip Nut Driver
 - 7/16" X 4" Cushion Grip Nut Driver
 - 1/2" X 4" Cushion Grip Nut Driver

32 Piece Insulated Tool Kit



- Kit Includes:
- 3/16 X 6" CG Slotted Screwdriver
 - 1/4" X 6" CG Slotted Screwdriver
 - #2 X 4" CG SQ Robertson
 - #1 X 3" CG Phillips Screwdriver
 - #2 X 4" CG Phillips Screwdriver
 - 7" Diagonal Cutting Pliers
 - 7" Needle Nose Pliers
 - Combination Wire Stripper & Crimper
 - 9 1/2" Linesman Pliers
 - 3/8" Drive Ratchet
 - 3" Extensions
 - 6" Extensions
 - 9 Pcs Socket Set 3/8" - 7/8" in 1/16" increments
 - 11 Pcs Box End Wrench Set (1/4 - 7/8")

32 Piece Insulated Tool Kit
50506 Kit with Box End Wrenches
50508 Kit with Open End Wrenches
CG=Cushion Grip

Basic Kit includes 32 tools plus socket bag, wrench storage roll, 9 pcs tool roll and 23" storage box.

The Energized Box



- Kit Includes:
- 1/8" X 4 1/2" Slotted Screwdriver
 - 3/16" X 6" Slotted Screwdriver
 - 1/4" X 6" Slotted Screwdriver
 - 5/16" X 6" Slotted Screwdriver
 - #2 X 4" Phillips Screwdriver
 - #2 X 6" Phillips Screwdriver
 - #2 X 4" Robertson Square Drive Screwdriver
 - 9 1/2" Linesman Pliers
 - 8" Needle Nose Pliers
 - 9 1/2" Cable Cutter
 - 7" Diagonal Cutting Pliers
 - 10" Water Pump Pliers
 - Combination Wire Stripper/Crimper

- 14 pcs 1/16-1/2" Allen Hex Wrench set
- 3/8" Drive Reversible Ratchet
- 3/8" Drive 3" Extension
- 3/8" Drive 6" Extension
- 10 pcs. 5/16-7/8 3/8" Drive Socket Set
- 11 pcs. 1/4"-7/8" Box End Wrench Set
- 3/16" X 6" Cushion Grip Nut Driver
- 1/4" X 6" Cushion Grip Nut Driver
- 5/16" X 6" Cushion Grip Nut Driver
- 11/32" X 6" Cushion Grip Nut Driver
- 3/8" X 6" Cushion Grip Nut Driver
- 7/16" X 6" Cushion Grip Nut Driver
- 1/2" X 6" Cushion Grip Nut Driver
- Torque Wrench 30-150"lbs.

Basic Kit includes 59 tools plus socket bag, wrench storage roll, nut driver and hex key bags and 23" storage box.

The Energized Box
 51026 3/8" Kit without Torque Wrench
 51030 3/8" Kit with 45603 Torque Wrench



Basic Kit includes 73 tools plus socket bag, wrench storage roll, nut driver and hex key, T-handle bags and 23" storage box.

The Energized Box with 13 Piece T Handle Set
 51036 3/8" Kit without Torque Wrench
 51040 3/8" Kit with 45603 Torque Wrench

Local Distributor



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Kits
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