



Lockout/Tagout and Safety Products



The IDEAL Advantage



Training

IDEAL has developed a variety of training programs and materials to help electricians use products correctly and efficiently. For more details on the training programs available please contact IDEAL customer service or your local IDEAL Sales

- Lockout/Tagout Safety and Procedures
- Arc Flash Safety & 1000V Insulated Tools
- Test and Measurement
 - Basics of DMM Safety
 - Basics of Meters
 - Advance Meter Training
 - Basics Grounding Measurements
 - Basics of Insulation Testing
 - Basics of Power Quality

Complete Line of Safety and **Electrical Products**



Whether it's installing or trouble shooting electrical systems or data networks, IDEAL has the products that professionals need to get the job done.

- Lockout/Tagout
- Insulated Tools
- Test & Measurement
- Wire Management
- Wire Connectors
- Fish Tape, Benders & Lubes
- Hand Tools
- Tool Bags and Totes
- DataComm



Lockout/ lagout Kits	2-4
Lockout/Tagout Stations	3, 5
Lockout/Tagout Training Videos and Compliance Manual .	6
Circuit Breaker Lockout Devices	7
Large Circuit Breaker Lockout Devices	8
Circuit Breaker Cross Reference Guide	9-14
Circuit Breaker Panel Lockout System	15
Miniature Circuit Breaker Devices and Guide	16
Fluid Power Lockout Devices	17
Misc Lockout Devices	18
Safety Padlocks	19
Heavy Duty Tags, Hasps and Lock Box	20
Arc Flash, Voltage, and Conduit Markers	21
Safety and Facility Signs	22
Barricade and Underground Tapes	23
Cable Ties	24-25
Pro-Series® Master Locks	26

Test and Measurement

TightSight™ Clamp Meters	
Circuit Tracers	
SplitJaw™ Smart Meter	
700 Series 4-in-1 Tester	
Multimeters	
Insulation Testers	
Vol-Con® Testers	
3 Phase/Motor Rotation Tester 30	
Circuit Analyzer 30	
Circuit Identifier	
Non-Contact Voltage Tester	
GFI Circuit Tester	

Tools and Totes

Ergonomic Wire Strippers	31
Insulated Tools and Kits	32-35
Non-Conductive Screw/Nutdriver and Fuse Pullers	35

Wire Installation

Fiberglass Fish Tapes .												 			36
Cable Gripping Gloves												 			36





Basic Lockout/Tagout Kit



- A great selection of the most popular lockout/tagout devices
- Small nylon zipper pouch features belt loops and d-rings for easy attachment to belts, tool pouches, tool carts and more

Description		Cat. No.
Basic Lockout/Tagout Kit		44-970
Kit 44-970 Includes:	Qty.	Cat. No.
Hinged Single-Pole Breaker Lockout	2	44-810
Universal 277V Breaker Lockout/Single Pole	1	44-809
480/600V Breaker Lockout	1	44-807
Wall Switch Lockout	1	44-789
3/4 in. Red Padlock	1	44-906
1 in. Safety Lockout Hasp	1	44-800
Lockout Tags – Do Not Operate (striped)	5	44-833
Universal Multi-Pole Breaker Lockout	1	44-783
110V Plug Lockout	1	44-818
Zipper Pouch	1	IA-3240

Quantities listed in kit description are for individual pieces, not carded packages.



Description		Cat. No.
Basic Plus Lockout/Tagout Kit		44-979
Kit 44-979 Includes all 44-970 PLUS:	Qty.	Cat. No.
Gate Valve Lockout	1	44-824
Ball Valve Lockout	1	44-820

Starter Lockout/Tagout Kit



- A starter selection of the lockout/tagout devices every electrician/maintenance person needs
- Small nylon zipper pouch features belt loops and d-rings for easy attachment to belts, tool pouches, tool carts and more

Description		Cat. No.
Starter Lockout/Tagout Kit		44-973
Kit 44-973 Includes:	Qty.	Cat. No.
Universal 277V Breaker/Single-Pole Lockout	1	44-809
Universal Multi-Pole Lockout	1	44-783
3/4 in. Shackle Red Padlock	1	44-906
1 in. Safety Lockout Hasp	1	44-800
Lockout Tags – Do Not Operate (striped)	2	44-849
110V Plug Lockout	1	44-818
Zipper Pouch	1	IA-3240

Quantities listed in kit description are for individual pieces, not carded packages.



 Easy to carry, zippered pouch holds a worker's personal padlocks and other small devices

	Description		Cat. No.
)	Personal Lockout Pouch Kit		44-969
-	Kit 44-969 Includes:	Qty.	Cat. No.
•	1 in. Safety Lockout Hasp	1	44-800
	Lockout Tags	12	44-833*
	Red Safety Padlocks - Keyed Alike	3	44-916**
	Personal Lockout Pouch	1	

^{*}Masterlock equivalent.

^{**}Keyed alike and master keyed padlocks can be special ordered by contacting IDEAL Customer Service

Standard Lockout/Tagout Kit



- Excellent selection of lockout/tagout devices, tags and locks for maintenance workers or contractors
- Small nylon zipper pouch features belt loops and d-rings for easy attachment to belts, tool pouches, tool carts and more

Description		Cat. No.
Standard Lockout/Tagout Kit		44-971
Kit 44-971 Includes:	Qty.	Cat. No.
Hinged Single-Pole Breaker Lockout	3	44-810
Universal 277V Breaker Lockout/Single Pole	2	44-809
480/600V Breaker Lockout	1	44-807
Wall Switch Lockout	1	44-789
110V Small Plug Lockout	1	44-818
2 in. Shackle Red Padlocks	2	44-907
1 in. Safety Lockout Hasps	2	44-800
Lockout Tags – Do Not Operate	5	44-830
Lockout Tags – Do Not Operate (striped)	5	44-833
Cleat for 277V Breaker Lockout	1	44-785
Cleat for 480/600V Breaker Lockout	1	44-786
Universal Multi-Pole Breaker Lockout	2	44-783
Zipper Pouch	1	IA-3240

Quantities listed in kit description are for individual pieces, not carded packages.

Group Lock Box

- Helps ensure maximum security for complex work team situations
- Allows up to 13 individuals to personally lock the closed box
- Heavy-duty steel construction resists unauthorized entry and job-site abuse
- Compact 8-3/4 in. x 3-1/2 in. x 6 in. design

Description	Cat. No.
Group Lock Box	44-804

Lockout/Tagout Large Mouth Bag

- Ideal for both storage and portability of your lockout/tagout needs
- Top opens completely for easy access and re-inforced to hold itself open
- Durable multi-ply construction with removable shoulder strap



Description	Cat. No.
Lockout/Tagout Embroidered Bag - 16 in. long	44-980

Lock Stations

- Integrated, one-piece molded construction eliminates loose parts
- Resilient polycarbonate material provides twice the heat resistance and quadruple the impact strength of typical stations
- Reinforced snap-lock clips provide easy padlock and hasp storage and removal
- Exclusive translucent cover protects contents
 - Lockable to prevent loss of valuable safety lockout pad locks. Recommend using a combination lock for simple access control
 - Innovative hinge holds cover open for easy product selection

Description	Cat. No.
Four-Lock Station (board only)	44-777
Four-Lock Station Kit includes four red safety Padlocks (44-916), 12 Heavy-Duty Lockout Tags and two 1 in. Safety Lockout Hasps (44-800)	44-778
Ten-Lock Station (board only)	44-805
Ten-Lock Station Kit includes ten red safety Padlocks (44-916), 24 Heavy-Duty Lockout Tags and two 1 in. Safety Lockout Hasps (44-800)	44-806



LOCKOUT STATION



Plant Facility Lockout/Tagout Kit



- Ideal for plant facility personnel to keep all lockout/tagout devices in one convenient place
- Polypropylene plastic tool box resists oil and chemicals

Description		Cat. No.
Plant Facility Lockout/Tagout Kit		44-972
Kit 44-972 Includes:	Qty.	Cat. No.
Hinged Single-Pole Breaker Lockout	5	44-810
Universal Breaker/Single Pole Lockout	3	44-809
480/600V Breaker Lockout	1	44-807
Wall Switch Lockout	2	44-789
110V Plug Lockout	1	44-718
1 in. Safety Lockout Hasps	3	44-800
Red Labeled Lockout	1	44-791
220/550V Plug Lockout	1	44-819
Lockout Tags – Do Not Operate (striped)	10	44-849
Fuse Blockout	1	44-815
Fuse Blockout	1	44-816
Gate Valve Lockout	1	44-824
Cleat for Breaker Lockout #44-809	1	44-785
Cleat for 480/600V Breaker Lockout	1	44-786
Universal Multi-Pole Breaker Lockout	3	44-783
Tool Box	1	IA-3241

Quantities listed in kit description are for individual pieces, not carded packages.

Industrial Lockout/Tagout Kit



- An industrial selection of lockout/tagout devices
- Polypropylene plastic tool box resists oil and chemicals

Description		Cat. No.
Industrial Lockout/Tagout Kit		44-974
Kit 44-974 Includes:	Qty.	Cat. No.
Hinged Single-Pole Breaker Lockout	3	44-810
Universal Breaker/Single Pole Lockout	2	44-809
480/600V Breaker Lockout	1	44-807
Wall Switch Lockout	1	44-789
110V Small Plug Lockout	1	44-718
Ball Valve Lockout	1	44-820
1 in. Safety Lockout Hasp	2	44-800
Red Labeled Lockout	1	44-791
220/550V Plug Lockout	1	44-819
Lockout Tags – Do Not Operate (striped)	10	44-849
Fuse Blockout	1	44-815
Fuse Blockout	1	44-816
Gate Valve Lockout	1	44-824
Cleat for Breaker Lockout #44-809	1	44-785
Cleat for 480/600V Breaker Lockout	1	44-786
Red Lockout Padlocks	4	44-916
Universal Multi-Pole Breaker Lockout	2	44-783
Tool Box	1	IA-3241

Quantities listed in kit description are for individual pieces, not carded packages.

Industrial Lockout/Tagout Station



- Large Lockout/Tagout Station can be wall mounted or easily transported
- All metal, lockable cabinets come with two adjustable shelves (extra shelves available)
- Lockout safety tips are conveniently located inside of door for frequent reminders of proper lockout procedures

Description		Cat. No.
Industrial Lockout/Tagout Station — 16" H x 14" W x 6" D		44-975
Kit 44-975 Includes:	Qty.	Cat. No.
Hinged Single-Pole Breaker Lockout	2	44-810
Universal Single-Pole Breaker Lockout	2	44-809
Cleat for Universal Single-Pole Lockout	2	44-785
Universal Multi-Pole Breaker Lockout	2	44-783
480/600V Breaker Lockout	1	44-807
Cleat for 480/600V Breaker Lockout	1	44-786
Wall Switch Lockout	1	44-789
1 in. Safety Lockout Hasp	2	44-800
Red Safety Padlocks	4	44-916
100V Small Plug Lockout	1	44-718
220/550V Plug Lockout	1	44-819
Lockout Tags – Do Not Operate	10	44-849
Gate Valve Lockout - 1 in. to 2-1/2 in.	1	44-824
Gate Valve Lockout - 2-1/2 in. to 5 in.	1	44-825
Ball Valve Lockout	1	44-820
Pnuematic Lockout	1	44-774
Cabinet w/two shelves	1	IA-4989

Description	Qty.	Cat. No.
Extra shelf	1	IA-4990

Machine Lockout Station

- Conveniently mounts on either a wall, machinery or table top
- Yellow acrylic station helps maintain a focal point for storing your plug lockout between usage applications



Description		Cat. No.
Machine Lockout/Tagout Station – 8-1/2" H x 8-	-1/2" W x 4" D	44-976
Kit 44-976 Includes:	Qty.	Cat. No.
Red Safety Padlock	1	44-916
220/550V Plug Lockout	1	44-819
Lockout Tag – Do Not Operate	2	44-849
Machine Lockout Tagout Board only	1	IA-4991

Circuit Breaker Lockout Station

- Polystyrene board is designed to be mounted on or near electrical breaker boxes for instant, easy access
- Comply with article 430.102B of the 2002 NEC



Description		Cat. No.
Circuit Breaker Lockout/Tagout Station – 8" H x 6	-1/4" W x 2-3/4" D	44-977
Kit 44-977 Includes:	Qty.	Cat. No.
Hinged Single-Pole Breaker Lockout	2	44-810
Universal Single-Pole Breaker Lockout	2	44-809
Universal Multi-Pole Breaker Lockout	2	44-783
Lockout Tag – Do Not Operate	5	44-849
Red Safety Padlock	1	44-916
Circuit Breaker Lockout/Tagout only	1	IA-4992

Micro Lockout Station

- Compact design can be mounted on or close by your lockout job
- Holds just the necessary equipment to do a specific job/function



Description		Cat. No.
Micro Lockout Station - 8" H x 6-1/4" W x 2-3/	4" D	44-978
Kit 44-978 Includes:	Qty.	Cat. No.
1 in. Safety Lockout Hasp	1	44-800
Red Safety Padlock	1	44-916
Lockout Tags – Do Not Operate	2	44-849
Micro Lockout/Tagout Board only	1	IA-4993



Lockout/Tagout Training Programs and Compliance Manuals

Lockout/Tagout Video Training Program for Employee Safety and OSHA Compliance.

- 10-minute video effectively conveys the importance of Lockout/Tagout in the workplace.
- Demonstrates the seven steps to properly apply and five steps to re-energize from Lockout/Tagout
- Provides instructions for maintaining Lockout/Tagout during shift changes
- · Shows how to apply, remove and maintain lockout devices
- Also suitable for employee-refresher training sessions
- Includes video, ten Lockout/Tagout Procedure Employee Reference Cards, instructor's guide and employee quiz
- Additional Employee Reference Cards also available (44-954)

Compliance Manual to assist your facility in complying with Federal Lockout/Tagout Regulations

- 1 Reviews the OSHA Standard in understandable, everyday language
- 2 Provides a step-by-step program to help you develop your "Lockout/Tagout" Compliance Program
- 3 Outlines the type of information required for employee training

The Real, Real Life Lockout/Tagout Training Video

- 1 Information you and your employees need to assist you in complying with OSHA's Lockout/Tagout Standards presented in an easy to understand and entertaining format
- 2 This video comes in a plastic storage case and includes a leaders guide, training handbook with quiz, and wallet card reminder of the six steps to "Lock It and Tag It."



Description	Cat. No.
Lockout/Tagout Video Training Program	44-942
Lockout/Tagout Video Training Program Reference Cards	44-954
Lockout/Tagout Compliance Manual	44-940
Electrical Safety Related Work Practices OSHA 1910.331 thru 1910.335 & 1910.339 (129 page manual)	44-963
Real, Real Life Lockout/Tagout Training Video	44-941
Real, Real Life Lockout/Tagout Handbooks, 10/pack	44-953

Universal Multi-Pole Breaker Lockout



- Works with most major multi-pole breakers with tie-bar type switches including GE, ITE Sylvania, Challenger, Bryant, Westinghouse, Square D (2/3 poles) and General Switch Co.
- Easy to install thumbscrew secures and locks tie bar in place; no cable ties or tools required
- Please see breaker guide for your application.

Description	Qty./Pkg.	Cat. No.
Universal Multi-Pole Breaker Lockout	1	44-783

Circuit Breaker Lockout Station

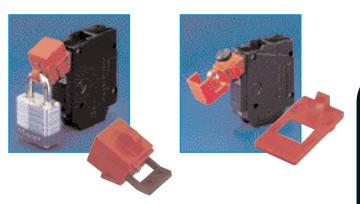
Polystyrene board is designed to be mounted on or near electrical breaker boxes for instant, easy access



Description		Cat. No.
Circuit Breaker Lockout/Tagout Station – 8" H x 6	-1/4" W x 2-3/4" D	44-977
Kit 44-977 Includes:	Qty.	Cat. No.
Hinged Single-Pole Breaker Lockout	2	44-810
Universal Single-Pole Breaker Lockout	2	44-809
Universal Multi-Pole Breaker Lockout	2	44-783
Lockout Tag – Do Not Operate	5	44-849
Red Safety Padlock	1	44-916
Circuit Breaker Lockout/Tagout only	1	IA-4992

Comply with article 430.102B of the 2002 National Electric Code.

Single-Pole Breaker Lockout



- Unique screw clamp design works well with most single-pole breakers
- Snap on cleat accessory securely locks out long sliding switch throws with large angular rotation commonly found on some Westinghouse, ITE, Square D and Federal Pacific breakers
- Please see breaker guide for your application

Description	Qty./Card	Cat. No.
Universal Single-Pole Breaker Lockout	3	44-809
Cleat for Single-Pole Breaker Lockout	3	44-785

Hinged Single-Pole Breaker Lockout

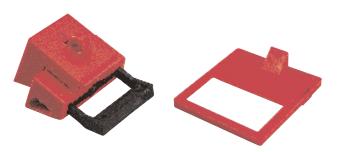


- Hinged single-pole lockout with locking post design, locks lever in off position to isolate and prevent breaker use
- Ideal for applications where panel closure is preferred
- Please see breaker guide for your application

Description	Qty./Card	Cat. No.
Hinged Single-Pole Breaker Lockout	3	44-810



Single-Throw/Multi-Pole Breaker Lockout



- 480/600V lockout device designed primarily for Square D single-throw/multi-pole circuit breaker switches
- Snap-on cleat accessory securely locks out long sliding switch throws with large angular rotation commonly found on some Westinghouse, ITE, Square D and Federal Pacific breakers
- Please see breaker guide for your application

Description	Qty.	Cat. No.
Single-Throw/Multi-Pole Breaker Lockout	1	44-807
Cleat for Single-Throw/Multi-Pole Lockout	1	44-786

Large Breaker Lockout



- Designed to lockout large 480/600V breaker switches up to 2-1/2 in. wide and 7/8 in. thick
- Easy to install no tools required

Description	Qty.	Cat. No.
Large Breaker Lockout	1	44-823

Oversized Circuit Breaker Lockout System



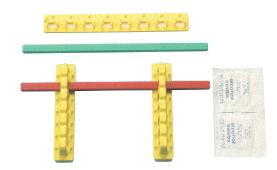
Description	Qty.	Cat. No.
Oversized Circuit Breaker System – 480-600 Volt	1	44-822

To comply with:

"The provisions for locking or adding a lock to the disconnecting means shall be permanently installed on or at the switch or circuit breaker used as the disconnecting means."

Article 430.102(B) Motor 2002 NEC.

- Unique Lockout system for oversized 480/600V Circuit Breakers
- System can be permanently installed into an electrical panel putting all lockout items at the point of need
- Easy installation of adhesive mounting rails no tools required
- Pegs in mounting rails mate with holes in locking arms for security of arm when lock is in place
- Red arms lock off, green arms lock on



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				44-768	
Bryant	BR		1	44-810	
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Bryan	BC		2-3	44-764 44-783	
Challenger	С		1	44-810	
				44-809	
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Challenger	С	Type C	2-3	44-783	
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Cutler-Hammer	BA		1	44-809	
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Cutler-Hammer	BAB	Quicklag	1	44-810	
				44-809	
Cutler-Hammer	BAB	Quicklag	2-3	44-764 44-783	
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Cutler-Hammer	BR	BR	1	44-810	
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Cutler-Hammer	DK	K-Frame	2-3	44-807	
Cutler-Hammer	E125B	E125-Frame		44-809 44-764	
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Cutler-Hammer	E125H	E125-Frame		44-809	
Outline Hannana	F40F0	E405 F		44-764	
Cutler-Hammer	E125S	E125-Frame		44-809 44-764	
Cutler-Hammer	ED	F-Frame	2-4	44-809	
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Cutler-Hammer	EDC	F-Frame	2-4	44-809	
Cutter Hemmer	EDII	ГГанта	0.4	44-764	
Cutler-Hammer	EDH	F-Frame	2-4	44-809 44-764	
Cutler-Hammer	EFH	E125-Frame	1-4	44-809	
Cutler-Hammer	EGB	E125-Frame	1-4	44-764 44-809	
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Cutler-Hammer	EGE	E125-Frame	1-4	44-809	
Cutler-Hammer	EGS	E125-Frame	1-4	44-764 44-809	
Gullet-Hattitlet	EGO	E120-FIAIIIE	1-4	44-009	
Cutler-Hammer	EHC			44-809	
0	EUD.			44-764	
Cutler-Hammer	EHD	F-Frame	1-4	44-809 44-764	
Cutler-Hammer	FB	Tri Pac Cur. Lim	2-3	44-809	44-785
				44-764	
Cutler-Hammer	FC			44-809	
Cutler-Hammer	FD	F-Frame	1-4	44-764 44-809	
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Cutler-Hammer	FDB	F-Frame	2-4	44-809	
Cutton Homer-	ED.O.	Г Г	0.4	44-764	
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Cutler-Hammer	FS	F-Frame	2-3	44-764	
Cutler-Hammer	GB	G-Frame	1-3	44-809	
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Cutler-Hammer	GHB	G-Frame	1-3	44-764 44-809	
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Cutler-Hammer	GHBGFEP	G-Frame	1	44-809	
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Cutler-Hammer	GHC	G-Frame	1-3	44-809 44-764	
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Manufacturer					IDEAL	IDEAL
Cutter-Hammer	Manufacturer	Model	Classification	Doloo		
Cutter-Hammer						Number
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Cutler-Hammer MA 2-3 44-807 44-786 Cutler-Hammer MC 2-3 44-807 44-786 Cutler-Hammer MD M-Frame 2-3 44-823 Cutler-Hammer MDL M-Frame 2-3 44-823 Cutler-Hammer MDS M-Frame 2-3 44-823 Cutler-Hammer NB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer ND N-Frame 2-4 44-807 44-786 Cutler-Hammer NDC N-Frame 2-4 44-807 44-786 Cutler-Hammer OPTIM N-Frame 3 44-807 44-786 Cutler-Hammer PB Tri Pac Cur. Lim 2-3 44-80 44-786 Cutler-Hammer QBGF Quicklag 1 44-809 44-786 Cutler-Hammer QBGF Quicklag 2 44-764 44-764 Cutler-Hammer QBHGF Quicklag 1 44-809 44-764 Cutler-Hamme	Cutler-Hammer	LHB		3	44-807	
Cutler-Hammer MC 2-3 44-807 44-786 Cutler-Hammer MD M-Frame 2-3 44-823 Cutler-Hammer MDL M-Frame 2-3 44-823 Cutler-Hammer MDS M-Frame 2-3 44-823 Cutler-Hammer NB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer ND N-Frame 2-4 44-807 44-786 Cutler-Hammer NDC N-Frame 2-4 44-807 44-786 Cutler-Hammer OPTIM N-Frame 3 44-807 44-786 Cutler-Hammer PB Tri Pac Cur. Lim 2-3 44-807 44-786 Cutler-Hammer QBGF Quicklag 1 44-809 44-786 Cutler-Hammer QBGF Quicklag 2 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-764 <td< td=""><td>Cutler-Hammer</td><td>LJ</td><td>Type CC</td><td></td><td>44-764</td><td></td></td<>	Cutler-Hammer	LJ	Type CC		44-764	
Cutler-Hammer MD M-Frame 2-3 44-823 Cutler-Hammer MDL M-Frame 2-3 44-823 Cutler-Hammer MDS M-Frame 2-3 44-823 Cutler-Hammer NB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer ND N-Frame 2-4 44-807 44-786 Cutler-Hammer NDC N-Frame 2-4 44-807 44-786 Cutler-Hammer OPTIM N-Frame 3 44-807 44-786 Cutler-Hammer PB Tri Pac Cur. Lim 2-3 44-807 44-786 Cutler-Hammer QBGF Quicklag 1 44-809 44-786 Cutler-Hammer QBGF Quicklag 2 44-764 44-809 Cutler-Hammer QBGFEP Quicklag 2 44-764 44-809 Cutler-Hammer QBHGFEP Quicklag 1 44-809 44-764 Cutler-Hammer QBHW Quicklag 1 44-810 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
Cutler-Hammer MDL M-Frame 2-3 44-823 Cutler-Hammer MDS M-Frame 2-3 44-823 Cutler-Hammer NB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer ND N-Frame 2-4 44-807 44-786 Cutler-Hammer NDC N-Frame 2-4 44-807 44-786 Cutler-Hammer OPTIM N-Frame 3 44-807 44-786 Cutler-Hammer PB Tri Pac Cur. Lim 2-3 44-807 44-786 Cutler-Hammer QBGF Quicklag 1 44-809 44-786 Cutler-Hammer QBGF Quicklag 2 44-764 44-809 Cutler-Hammer QBHGF Quicklag 1 44-809 44-764 Cutler-Hammer QBHW Quicklag 1 44-809 44-764 Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QBHW Quicklag 2-3 44-783						44-786
Cutler-Hammer MDS M-Frame 2-3 44-823 Cutler-Hammer NB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer ND N-Frame 2-4 44-807 44-786 Cutler-Hammer NDC N-Frame 2-4 44-807 44-786 Cutler-Hammer OPTIM N-Frame 3 44-807 44-786 Cutler-Hammer PB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer QBGF Quicklag 1 44-809 Cutler-Hammer QBGF Quicklag 2 44-764 Cutler-Hammer QBGFEP Quicklag 2 44-764 Cutler-Hammer QBHGF Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-810 Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 Cutler-Hammer QC Quicklag Type P 2-3						
Cutler-Hammer NB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer ND N-Frame 2-4 44-807 44-786 Cutler-Hammer NDC N-Frame 2-4 44-807 44-786 Cutler-Hammer OPTIM N-Frame 3 44-807 44-786 Cutler-Hammer PB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer QBGF Quicklag 1 44-809 Cutler-Hammer QBGF Quicklag 2 44-764 Cutler-Hammer QBGFEP Quicklag 1 44-809 Cutler-Hammer QBHGFEP Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-810 Cutler-Hammer QBHW Quicklag Type P 1 44-810 Cutler-Hammer QC Quicklag Type P 2-3 44-784 Cutler-Hammer QC Quicklag Type P 2-3 44-784						
Cutler-Hammer ND N-Frame 2-4 44-807 44-786 Cutler-Hammer NDC N-Frame 2-4 44-807 44-786 Cutler-Hammer OPTIM N-Frame 3 44-807 44-786 Cutler-Hammer PB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer QBGF Quicklag 1 44-809 Cutler-Hammer QBGFEP Quicklag 2 44-764 Cutler-Hammer QBHGFEP Quicklag 1 44-809 Cutler-Hammer QBHGFEP Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-810 Cutler-Hammer QBHW Quicklag Type P 1 44-810 Cutler-Hammer QC Quicklag Type P 2-3 44-764 Cutler-Hammer QC Quicklag Type P 2-3 44-783						
Cutler-Hammer NDC N-Frame 2-4 44-807 44-786 Cutler-Hammer OPTIM N-Frame 3 44-807 44-786 Cutler-Hammer PB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer QBGF Quicklag 1 44-809 Cutler-Hammer QBGF Quicklag 2 44-764 Cutler-Hammer QBGFEP Quicklag 2 44-764 Cutler-Hammer QBHGF Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-810 Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 Cutler-Hammer QC Quicklag Type P 2-3 44-784						44-786
Cutler-Hammer OPTIM N-Frame 3 44-807 44-786 Cutler-Hammer PB Tri Pac Cur. Lim 2-3 44-823 Cutler-Hammer QBGF Quicklag 1 44-809 Cutler-Hammer QBGF Quicklag 2 44-764 Cutler-Hammer QBGFEP Quicklag 1 44-809 Cutler-Hammer QBHGFEP Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-810 Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 Q4-809 44-764 44-809 44-764						
Cutler-Hammer QBGF Quicklag 1 44-809 Cutler-Hammer QBGF Quicklag 2 44-764 Cutler-Hammer QBGFEP Quicklag 1 44-809 Cutler-Hammer QBGFEP Quicklag 2 44-764 Cutler-Hammer QBHGF Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 44-809 44-764 Cutler-Hammer QC Quicklag Type P 2-3 44-783						
Cutler-Hammer QBGF Quicklag 2 44-764 Cutler-Hammer QBGFEP Quicklag 1 44-809 Cutler-Hammer QBGFEP Quicklag 2 44-764 Cutler-Hammer QBHGF Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 44-809 44-764 Cutler-Hammer QC Quicklag Type P 2-3 44-783 Cutler-Hammer QC Quicklag Type P 2-3 44-783	Cutler-Hammer	PB	Tri Pac Cur. Lim	2-3	44-823	
Cutler-Hammer QBGFEP Quicklag 1 44-809 Cutler-Hammer QBGFEP Quicklag 2 44-764 Cutler-Hammer QBHGF Quicklag 1 44-809 Cutler-Hammer QBHGFEP Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-810 Cutler-Hammer QC Quicklag Type P 1 44-810 Cutler-Hammer QC Quicklag Type P 2-3 44-783 Cutler-Hammer QC Quicklag Type P 2-3 44-783	Cutler-Hammer	QBGF	Quicklag	1	44-809	
Cutler-Hammer QBGFEP Quicklag 2 44-764 Cutler-Hammer QBHGF Quicklag 1 44-809 Cutler-Hammer QBHGFEP Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-810 Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 44-809 44-764 Cutler-Hammer QC Quicklag Type P 2-3 44-783		QBGF		2	44-764	
Cutler-Hammer QBHGF Quicklag 1 44-809 Cutler-Hammer QBHGFEP Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-810 44-764 44-764 44-783 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 44-809 44-764 44-764 44-783 Cutler-Hammer QC Quicklag Type P 2-3 44-783						
Cutler-Hammer QBHGFEP Quicklag 1 44-809 Cutler-Hammer QBHW Quicklag 1 44-810 44-764 44-764 44-764 Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 44-809 44-764 Cutler-Hammer QC Quicklag Type P 2-3 44-783						
Cutler-Hammer QBHW Quicklag 1 44-810 44-764 Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 44-809 44-764 Cutler-Hammer QC Quicklag Type P 2-3 44-783						
Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 44-809 44-764 Cutler-Hammer QC Quicklag Type P 2-3 44-783						
Cutler-Hammer QBHW Quicklag 2-3 44-783 Cutler-Hammer QC Quicklag Type P 1 44-810 44-809 44-764 Cutler-Hammer QC Quicklag Type P 2-3 44-783	Cation Huminion	QUITT	Garoniag	'		
Cutler-Hammer QC Quicklag Type P 1 44-810 44-809 44-764 Cutler-Hammer QC Quicklag Type P 2-3 44-783	Cutler-Hammer	QBHW	Quicklag	2-3		
Cutler-Hammer QC Quicklag Type P 2-3 44-783						
Cutler-Hammer QC Quicklag Type P 2-3 44-783					44-809	
3 71						
44-/64	Cutler-Hammer	QC	Quicklag Type P	2-3		
					44-/64	

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Manufacturer	Model	Classification	Poles	LO Device	Cleat Number
Cutler-Hammer	QCD	Quicklag Type P	1	44-810	Number
Oution Huminion	QOD	Quioting Type I		44-809	
				44-764	
Cutler-Hammer	QCD	Quicklag Type P	2-3	44-783	
Outline Harmon	0005	Outstan		44-764	
Cutler-Hammer Cutler-Hammer	QCGF QCGFEP	Quicklag Quicklag	1	44-809 44-809	
Cutler-Hammer	QCHGF	Quicklag	1	44-809	
Cutler-Hammer	QCHGFEP	Quicklag	1	44-809	
Cutler-Hammer	QCHW	Quicklag	1	44-810	
				44-809	
Cutler-Hammer	OCHW	Outables	0.0	44-764	
Cutter-Hammer	QCHW	Quicklag	2-3	44-783 44-764	
Cutler-Hammer	QHCX	Quicklag	1	44-810	
				44-809	
				44-764	
Cutler-Hammer	QHCX	Quicklag	2-3	44-783	
Cutler-Hammer	QHPW	Ouioklaa	1	44-764 44-810	
Cutter-Hammer	UHPW	Quicklag	ı	44-810	
				44-764	
Cutler-Hammer	QHPW	Quicklag	2-3	44-783	
Cutler-Hammer	QHPX	Quicklag	1	44-810	
				44-809	
		•		44-764	
Cutler-Hammer	QHPX	Quicklag Ground Fault	2-3	44-783	
Cutler-Hammer Cutler-Hammer	QPGF QPGF	Ground Fault	1 2	44-809 44-764	
Cutler-Hammer	QPGFEP	Ground Fault	1	44-809	
Cutler-Hammer	QPGFEP	around rudit	2	44-764	
Cutler-Hammer	QPHGF	Ground Fault	1	44-809	
Cutler-Hammer	QPHGFEP	Ground Fault	1	44-809	
Cutler-Hammer	QPHW	Quicklag	1	44-810	
				44-809 44-764	
Cutler-Hammer	QPHW	Quicklag	2-3	44-783	
Fed. Pacific Elec.	BAB	Quiomag	1	44-809	
				44-764	
Fed. Pacific Elec.	Type NA		1	44-809	
Fed. Pacific Elec.	NA-single		3	44-807	44-786
Fed. Pacific Elec.	NA-tie bar		2	44-764 44-764	
Fed. Pacific Elec.	NA-lie bai NB		1	44-704	44-785
r od. r domo Eloo.	110			44-764	11.700
Fed. Pacific Elec.	Type NB		2	44-783	
Fed. Pacific Elec.	Type NB		3	44-807	
Fed. Pacific Elec.	Type NASW		1	44-809	
Fed. Pacific Elec. Fed. Pacific Elec.	NEJH/HEJ		3	44-809	
I GU. FAUIIIU EIBU.	NBH GFI		1	44-809 44-764	
Fed. Pacific Elec.	NE/NEF			44-809	44-785
Fed. Pacific Elec.	NEJ			44-809	44-785
Fed. Pacific Elec.	NFJ			44-809	
Fed. Pacific Elec.	NJJ			44-807	
Fed. Pacific Elec.	NJL NA			44-807 44-807	
Fed. Pacific Elec. Fed. Pacific Elec.	NM NP-single		1	44-807	
i od. i domo Eloo.	141 SHIGH		'	44-764	
Frank Adams Elec. Co.	Р	FA Quicklag	1	44-809	
				44-764	
Frank Adams Elec. Co.	Toggle		1	44-809	
Frank Adams Elec. Co.	BG DA		1	44-809	
Frank Adams Elec. Co. General Electric	BA HQC	Type C	1 3	44-809 44-809	
GOTIOTAL EIGULTU	HUU	туре С	J	44-764	
General Electric	SED	SE150	2-3	44-809	
				44-764	
General Electric	SEH	SE150	2-3	44-809	
				44-764	

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Manufacturer	Model	Classification	Poles	LO Device	Cleat Number
General Electric	SEL	SE150	2-3	44-809 44-764	
General Electric	SEP	SE150	2-3	44-809	
General Electric	SFH	SF250	2-3	44-764 44-809	
General Electric	SFL	SF250	2-3	44-764 44-809	
General Electric	SFP	SF250	2-3	44-764 44-809	
General Electric	TB1		20	44-764 44-809	44 705
		Tri Break		44-764	44-785
General Electric	TB4	Tri Break		44-809 44-764	44-785
General Electric	TB6	Tri Break		44-809 44-764	44-785
General Electric	TB8	Tri Break		44-809 44-764	44-785
General Electric	TBC4	Mag Break		44-809	44-785
General Electric	TBC6	Mag Break		44-764	44-785
General Electric	TBC8	Mag Break		44-764 44-809	44-785
General Electric	TE	E150	1-3	44-764 44-809	44-785
General Electric	TEB	E150	1-3	44-764 44-809	44-785
General Electric	TED		1-3	44-764	
		E150		44-809 44-764	44-785
General Electric	TEF		1-3	44-809 44-764	44-785
General Electric	TEL	E150	3	44-809 44-764	44-785
General Electric	TEML	Mag Break	3	44-809 44-764	44-785
General Electric	TEY	E150	1-3	44-809 44-764	
General Electric	TF	E150	1-3	44-809	
General Electric	TFC	Mag Break	3	44-764 44-809	
General Electric	TFJ	F225	2-3	44-764 44-807	
General Electric	TFK	F225	2-3	44-807	
General Electric	TFL	F225	3	44-807	44 70E
General Electric	THED	Like TED	1-3	44-809 44-764	44-785
General Electric	THEF	Like TED		44-809 44-764	44-785
General Electric	THFJ	FOOF	2, 3	44-807	
General Electric General Electric	THFK THHQB	F225 Q Line	2-3 2-3	44-807 44-783	
General Electric	THHQB-A	Q Line	1	44-764 44-810	
				44-809 44-764	
General Electric	THHQB-S	Q Line	1	44-809 44-764	
General Electric	THHQC	Q Line	1-3	44-783 44-764	
General Electric	THHQC-A	Q Line	1	44-810	
Canaral Florida	TUUOC	0.1.:-	4	44-809 44-764	
General Electric	THHQC-S	Q Line	1	44-809 44-764	
General Electric	THHQL	Q Line	2-3	44-783 44-764	
General Electric	THHQL-A	Q Line	1	44-810 44-809	
				44-764	

Manufacturer					IDEAL LO	IDEAL Cleat
General Electric			Classification	Poles		Number
Ceneral Electric	General Electric	THHQL-S	Q Line	1		
Ceneral Electric						
Ceneral Electric THKM8						44-786
General Electric						
General Electric						
General Electric						
General Electric THOB-S Q Line 1 44-809 44-764 44-76					44-764	
General Electric	General Electric	THQB-A	Q Line	1	44-809	
General Electric	General Electric	THQB-S	Q Line	1		
Cameral Electric	General Electric	THQC	Q Line	2-3		
General Electric	General Electric	THQC-A	Q Line	1	44-809	
General Electric	General Electric	THQC-AL	Q Line	2-3	44-783	
General Electric	General Electric	THQC-S	Q Line	1	44-809	
Ad-807 Ad-764 General Electric THQDBL Q Line 2-3 Ad-764 General Electric THQL Q Line 2-3 Ad-764 Ad-764 General Electric THQL-A Q Line 1 Ad-810 Ad-764 General Electric THQL-S Q Line 1 Ad-809 Ad-764 General Electric TJA General Electric TJC Mag Break Ad-807 Ad-807 Ad-764 General Electric TJC Mag Break Ad-807 Ad-764 General Electric TJD TJD432400WL 2-3 Ad-807 Ad-786 General Electric TJJ J600 2-3 Ad-807 Ad-786 General Electric TJK4 J600 2-3 Ad-807 Ad-786 General Electric TJK4 J600 2-3 Ad-807 Ad-786 General Electric TJK4 J600 2-3 Ad-807 Ad-786 General Electric TJK6 TJK638F000 2-3 Ad-807 Ad-786 General Electric TJS TJS3604S Ad-807 Ad-786 General Electric TKW MicroVersaTrip 3 Ad-807 Ad-786 General Electric TKC Mag Break 3 Ad-809 Ad-786 Ad-786	General Flectric	THOD	O Line	2-3		
General Electric THQDBL THQL Q Line 3 44-764 2-3 44-783 44-764 General Electric THQL-A Q Line 1 44-810 44-809 44-764 General Electric THQL-S Q Line 1 44-809 44-809 44-764 General Electric TJ4 3 44-807 44-809 44-807 44-764 General Electric TJC Mag Break 48-809 44-809 44-807 44-764 General Electric TJD TJD432400WL 47-764 2-3 44-807 44-764 44-786 48-783 44-786 General Electric TJJ J600 2-3 44-807 44-786 2-3 44-807 44-786 44-786 44-786 General Electric TJK6 TJK683F000 2-3 44-807 44-786 2-3 44-807 44-786 44-786 44-786 General Electric TKK0 MicroVersaTrip 3 44-807 44-764 3 44-807 44-764 44-786 44-764 General Electric TKM4 TKM4365000 44-764 44-809 44-764 44-809 44-764 General Electric TKM8 K1200 2-3 44-823 44-823 44-764 General Electric TQB-A Q Line 2-3 44-83 44-764 General Electric TQC-A Q Line 2-3 44-783 44-764 General Electric TQC-A Q Line	deneral Liectric	IIIQD	Q LIIIC	2-0	44-807	
Caperal Electric THQL-A Q Line 1 44-810 44-809 44-764	General Electric	THQDBL	Q Line	3		
Ceneral Electric	General Electric	THQL	Q Line	2-3		
A4-809 A4-764 General Electric	Our and Electric	TUOLA	Olina			
General Electric THQL-S Q Line 1 44-809 44-764 General Electric TJC Mag Break 44-807 44-809 44-807 44-764 General Electric TJD TJD432400WL 2-3 44-807 44-764 General Electric TJJ JG00 2-3 44-807 44-786 General Electric TJK4 J600 2-3 44-807 44-786 General Electric TJK6 TJK636F000 2-3 44-807 44-786 General Electric TJK6 TJK636F000 2-3 44-807 44-786 General Electric TKV JK636F000 2-3 44-807 44-786 General Electric TKAV MicroVersaTrip 3 44-807 44-786 General Electric TKC Mag Break 3 44-807 44-786 General Electric TKC Mag Break 3 44-807 44-786 General Electric TKM TKM 4565000 44-823 44-783 44-764 General Electric TKMA 54-809 44-764 General Electric TKMA 64-764 74-764 General Electric TOB-A 74-764 74-764 General Electric TOB-S 74-764 74-764 General Electric TOC-A 74-764 74-764 General Electric TOC-S 74-764 74-809 74-764 General Electric TOD 74-764 74-764 General Electric TOL 74-764 74-764 <td>General Electric</td> <td>IHUL-A</td> <td>Q Line</td> <td>I</td> <td>44-809</td> <td></td>	General Electric	IHUL-A	Q Line	I	44-809	
General Electric	General Electric	THQL-S	Q Line	1	44-809	
General Electric TJD TJD432400WL 2-3 44-807 44-786 General Electric TJJ J600 2-3 44-807 44-786 General Electric TJK4 J600 2-3 44-807 44-786 General Electric TJK6 TJK636F000 2-3 44-807 44-786 General Electric TK4V MicroVersaTrip 3 44-807 44-786 General Electric TKC Mag Break 3 44-809 44-785 General Electric TKM4 TKM4365000 44-823 44-823 General Electric TKM8 K1200 2-3 44-823 General Electric TKM8 K1200 2-3 44-823 General Electric TQB Q Line 2-3 44-783 44-764 44-823 44-764 44-764 General Electric TQB-A Q Line 1 44-810 44-764 44-764 44-764 44-764 General Electric TQC-A			Mag Break	3	44-809 44-807	
General Electric TJK4 J600 2-3 44-807 44-786 General Electric TJK6 TJK636F000 2-3 44-807 44-786 General Electric TJS TJS3604S 44-807 44-786 General Electric TK4V MicroVersaTrip 3 44-807 General Electric TKC Mag Break 3 44-809 44-764 44-764 44-764 General Electric TKM8 K1200 2-3 44-823 General Electric TKMA8 3 44-823 General Electric TKMA8 3 44-823 General Electric TQB Q Line 2-3 44-783 44-764 44-823 44-764 44-764 General Electric TQB-A Q Line 1 44-810 44-764 44-764 44-764 44-764 General Electric TQC-A Q Line 2-3 44-764 General Electric TQC-S 1 44-810 44-764 <td>General Electric</td> <td>TJD</td> <td>TJD432400WL</td> <td>2-3</td> <td></td> <td>44-786</td>	General Electric	TJD	TJD432400WL	2-3		44-786
General Electric TJK6 TJK636F000 2-3 44-807 44-786 General Electric TJS TJS3604S 44-807 44-786 General Electric TK4V MicroVersaTrip 3 44-807 General Electric TKC Mag Break 3 44-809 44-764 General Electric TKM4 TKM4365000 44-823 44-823 44-823 44-823 44-823 44-823 44-823 44-823 44-823 44-823 44-823 44-823 44-823 44-783 44-784 44-783 44-784 44-784 44-784 44-784 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-76	General Electric	TJJ	J600	2-3	44-807	44-786
General Electric TJS TJS3604S 44-807 44-786 General Electric TK4V MicroVersaTrip 3 44-807 General Electric TKC Mag Break 3 44-809 44-764 General Electric TKM4 TKM4365000 44-823 44-783 44-783 44-764 44-764 44-823 44-764 44-764 44-764 44-764 44-764 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 44-764 44-809 <td></td> <td></td> <td></td> <td></td> <td>44-807</td> <td></td>					44-807	
General Electric TK4V MicroVersaTrip 3 44-807 General Electric TKC Mag Break 3 44-809 44-764 General Electric TKM4 TKM4365000 44-823 44-823 General Electric TKM8 K1200 2-3 44-823 General Electric TOB Q Line 2-3 44-783 General Electric TQB-A Q Line 1 44-810 General Electric TQB-S Q Line 1 44-809 44-764 44-764 44-764 44-764 General Electric TQC Q Line 2-3 44-783 44-764 44-809 44-764 44-809 General Electric TQC-A 1 44-810 44-764 44-764 44-764 44-764 General Electric TQL Q Line 2-3 44-764 General Electric TQL Q Line 2-3 44-783 General Electric TQL Q Line 2-3				2-3		
General Electric TKC Mag Break 3 44-809 44-764 44-764 44-764 General Electric TKM4 TKM4365000 44-823 General Electric TKM8 K1200 2-3 44-823 General Electric TOB Q Line 2-3 44-783 44-764 General Electric TQB-A Q Line 1 44-810 44-809 44-764 General Electric TQC-S Q Line 2-3 44-783 44-764 General Electric TQC Q Line 2-3 44-783 44-764 General Electric TQC-A 1 44-810 44-809 44-764 General Electric TQC-S 1 44-809 44-764 General Electric TQD Q Line 2-3 44-783 44-764 General Electric TQL Q Line 2-3 44-764 469 General Electric TQL Q Line 2-3 44-764 469 General Electric TQL Q Line 1 44-809 44-764 469 General Electric TQL Q Line 1 44-809 44-764 469				0		44-786
General Electric TKM4 TKM4365000 44-823 General Electric TKM8 K1200 2-3 44-823 General Electric TKMA8 3 44-823 General Electric TOB Q Line 2-3 44-783 44-764 44-80 44-764 General Electric TQB-A Q Line 1 44-809 44-764 44-809 44-764 General Electric TQC Q Line 2-3 44-783 44-764 44-809 44-764 44-809 General Electric TQC-A 1 44-809 44-764 General Electric TQC-S 1 44-809 44-764 General Electric TQD Q Line 2-3 44-783 General Electric TQL 2,3 44-783 General Electric TQL Q Line 1 44-809 44-764 44-809 44-764 44-809 44-764 General Electric TQL Q Line 1<					44-809	44-785
General Electric TKM8 K1200 2-3 44-823 General Electric TKMA8 3 44-823 General Electric TQB Q Line 2-3 44-783 44-764 TQB-A Q Line 1 44-810 44-809 44-764 44-809 44-764 44-809 44-764 General Electric TQC Q Line 2-3 44-783 44-764 44-809 44-764 General Electric TQC-A 1 44-810 44-764 44-809 44-764 General Electric TQC-S 1 44-809 General Electric TQD Q Line 2-3 44-783 General Electric TQL 2, 3 44-783 General Electric TQL 2, 3 44-783 General Electric TQL-A Q Line 1 44-809 44-764 44-809 44-764 44-809 44-764 General Electric TQL-A Q Line	Conoral Electric	TVMA	TKWASEUUU			
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General Electric TQB Q Line 2-3 44-783 44-764 General Electric TQB-A Q Line 1 44-810 44-809 44-764 General Electric TQB-S Q Line 1 44-809 44-764 General Electric TQC Q Line 2-3 44-783 44-764 General Electric TQC-A 1 44-810 44-809 44-764 General Electric TQC-S 1 44-809 44-764 General Electric TQD Q Line 2-3 44-783 General Electric TQL 2,3 44-783 General Electric TQL 2,3 44-783 General Electric TQL-A Q Line 1 44-810 44-809 44-764 General Electric TQL-A Q Line 1 44-810 44-809 44-764 General Electric TQL-S Q Line 1 44-809 44-764			111200			
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General Electric TQB-S Q Line 1 44-809 44-764 General Electric TQC Q Line 2-3 44-783 44-764 General Electric TQC-A 1 44-810 44-809 44-764 General Electric TQC-S 1 44-809 44-764 General Electric TQD Q Line 2-3 44-783 General Electric TQL 2, 3 44-783 General Electric TQL-A Q Line 1 44-810 44-809 44-764 General Electric TQL-S Q Line 1 44-809 44-764	General Electric	TQB-A	Q Line	1	44-810 44-809	
General Electric TQC Q Line 2-3 44-783 44-764 General Electric TQC-A 1 44-810 44-809 44-764 General Electric TQC-S 1 44-809 44-764 General Electric TQD Q Line 2-3 44-809 44-764 General Electric TQL 2, 3 44-783 44-83 General Electric TQL-A Q Line 1 44-810 44-809 44-764 General Electric TQL-S Q Line 1 44-809 44-764 General Electric TQL-S Q Line 1 44-809	General Electric	TQB-S	Q Line	1	44-809	
General Electric TQC-A 1 44-810 44-809 44-764 General Electric TQC-S 1 44-809 44-764 General Electric TQD Q Line 2-3 44-809 General Electric TQL 2, 3 44-783 General Electric TQL-A Q Line 1 44-810 44-809 44-764 General Electric TQL-S Q Line 1 44-809	General Electric	TQC	Q Line	2-3	44-783	
General Electric TQC-S 1 44-809 44-764 General Electric TQD Q Line 2-3 44-809 General Electric TQL 2, 3 44-783 General Electric TQL-A Q Line 1 44-810 44-809 44-764 General Electric TQL-S Q Line 1 44-809	General Electric	TQC-A		1	44-810 44-809	
General Electric TQD Q Line 2-3 44-809 General Electric TQL 2, 3 44-783 General Electric TQL-A Q Line 1 44-810 44-809 44-764 General Electric TQL-S Q Line 1 44-809 44-764 44-809 44-764 44-809	General Electric	TQC-S		1	44-809	
General Electric TQL 2, 3 44-783 General Electric TQL-A Q Line 1 44-810 44-809 44-764 General Electric TQL-S Q Line 1 44-809	General Electric	TQD	Q Line	2-3		
General Electric TQL-A Q Line 1 44-810 44-809 44-764 General Electric TQL-S Q Line 1 44-809						
General Electric TQL-S Q Line 1 44-809	General Electric	TQL-A	Q Line	1	44-809	
1/1_/6/	General Electric	TQL-S	Q Line	1		



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Manufacturer	Model	Classification	Poles	LO Device	Cleat Number
	SMG4	Classification			Nulliber
Heinemann Heinemann	AMIZ		1	44-809 44-809	
Heinemann	KU		1	44-809	
Heinemann	KL		1	44-809	
Heinemann	LB		1	44-809	44-785
Heinemann	LF		1	44-809	44-785
Heinemann	LJ		1	44-809	44-785
Merlin Gerin	CJ	400 Amp series	3	44-807	44-786
Siemens ITE	BL		1	44-810	
				44-809	
				44-768	
				44-764	
Siemens ITE	BL		2-3	44-783	
				44-764	
Siemens ITE	BLF-GFI		2	44-783	
				44-764	
Siemens ITE	BLH		1	44-810	
				44-809	
				44-764	
Siemens ITE	BLH		2-3	44-783	
0	20			44-764	
Siemens ITE	BQ		1	44-810	
				44-809	
Siemens ITE	BQ		2-3	44-764 44-783	
Sterrieris ITE	BU		2-3	44-763	
Siemens ITE	BQCH		1-3	44-809	
SIGHIGHS ITE	DQUII		1-3	44-764	
Siemens ITE	BQD		1-3	44-809	
Oldificity ITE	DQD		1.0	44-764	
Siemens ITE	BQD6		1-3	44-809	
Oldinono III 2	5450		. 0	44-764	
Siemens ITE	BQH		1	44-810	
				44-809	
				44-764	
Siemens ITE	BQH		2-3	44-783	
				44-764	
Siemens ITE	CED6		2-3	44-809	
				44-764	
Siemens ITE	CFD6		2-3	44-807	44-786
Siemens ITE	CFD6-ETI		2-3	44-807	44-786
Siemens ITE	CJ3			44-807	
Siemens ITE	CJD6		2-3	44-807	
Siemens ITE	CJD6-ETI		2-3	44-807	44 700
Siemens ITE	CLF		2	44-807	44-786
Siemens ITE Siemens ITE	CMD6		3	44-823	
Siemens ITE	CMD6-ETI CND6		3	44-823 44-823	
Siemens ITE	CPD6		3	44-823	
Siemens ITE	CQD		1-3	44-809	44-785
OIGIIGIS IIL	OQD		1 3	44-764	44 703
Siemens ITE	E2			44-809	
Oldinono III 2				44-764	
Siemens ITE	E4		1	44-809	
				44-764	
Siemens ITE	ED2		1-3	44-809	
				44-764	
Siemens ITE	ED4		1-3	44-809	
				44-764	
Siemens ITE	ED6		1-3	44-809	
				44-764	
Siemens ITE	ED6-ETI		3	44-809	
o				44-764	
Siemens ITE	EE3		4 0 -	44-809	44-785
Siemens ITE	EE		1, 2, 3	44-809	44-785
Siemens ITE	EH		1, 2, 3	44-809	44-785
Siemens ITE	ET-JJ		3	44-807	44-786
Siemens ITE Siemens ITE	QJ3B QJ22B		2, 3	44-809	44-785 44-785
Siemens ITE	QJ23B		2, 3	44-809 44-809	44-785
Drogler recommendation		·		44-809	

Manufacturer						
Manufacturer Model					IDEAL	IDEAL
Siemens ITE	Manufacturer	Model	Classification	Doloo		
Siemens ITE			Classification			
Siemens ITE						
Siemens ITE				2, 3		
Siemens ITE	Oldificity ITE	LLU				77 700
Siemens ITE	Siemens ITE	EH3				44-785
Siemens ITE					44-764	
Siemens TE	Siemens ITE	EQP		4	44-783	
Siemens TE						
Siemens ITE	Siemens ITE	ET	F-Frame			44-785
Siemens ITE	0: ITE	FDOA		0.0		44.700
Siemens F. F. Siemens TE				-		
Siemens ITE	Sieilielis ITE	FJZ-B		2-3		
Siemens ITE	Sigmons ITF	E13		2		44-700
Siemens ITE						44-786
Siemens ITE						
Siemens ITE	Siemens ITE	FXD6-ETI		2-3	44-807	44-786
Siemens ITE	Siemens ITE	GF		1	44-809	
Siemens ITE					44-764	
Siemens TE	Siemens ITE	HBL		1		
Siemens ITE						
Siemens ITE	0: ITE	UDI		0.0		
Siemens ITE	Siemens ITE	HRL		2-3		
Siemens ITE	Ciamana ITE	HRN		1		
Siemens ITE	OIGITIGITS TIL	TIDQ		'		
Siemens ITE						
Siemens ITE	Siemens ITE	HBQ		2-3		
Siemens ITE					44-764	
Siemens TE	Siemens ITE	HE4			44-809	
Siemans ITE					44-764	
Siemans ITE	Siemens ITE	HED4		1-3		
Siemens ITE						
Siemens ITE	Siemans ITE	HED6		2-3		
Siemens ITE	O'conservation	LIEDO		0.0		44.700
Siemens ITE				-		
Siemens ITE						44-700
Siemens ITE	Oldifiono ITE	TITLEDO		20		
Siemens ITE	Siemens ITE	HHFD6		2-3	44-807	44-786
Siemens ITE	Siemens ITE	HHJD6		2-3	44-807	
Siemens ITE	Siemens ITE	HHJXD6		2-3	44-807	
Siemens ITE	Siemens ITE	HJD6			44-807	
Siemens ITE	Siemens ITE	HJD6-A		2-3		
Siemens ITE						
Siemens ITE						
Siemens ITE						
Siemens ITE						
Siemens ITE HPD6 3 44-823 Siemens ITE HPXD6 3 44-823 Siemens ITE HQJ2-H 3 44-809 44-764 44-810 44-809 44-764 44-809 44-764 Siemens ITE HQP 2-3 44-783 44-764 44-810 44-809 44-764 Siemens ITE HQPP 2-3 44-764 Siemens ITE HQPH 2 44-783 44-764 44-764 44-764 Siemens ITE HRD6 3 44-823 Siemens ITE HRXD6 3 44-823 Siemens ITE JD6-A 2-3 44-807						
Siemens ITE HPXD6 3 44-823 Siemens ITE HQJ2-H 3 44-809 44-764 44-810 44-809 44-764 44-809 44-764 Siemens ITE HQP 2-3 44-783 44-764 44-810 44-809 44-764 44-764 44-764 Siemens ITE HQPP 2-3 44-764 Siemens ITE HQPH 2 44-783 44-764 44-764 44-764 Siemens ITE HRD6 3 44-823 Siemens ITE HRXD6 3 44-823 Siemens ITE JD6-A 2-3 44-807						
Siemens ITE HQJ2-H 3 44-809 Siemens ITE HQP 1 44-810 44-809 44-764 44-809 44-764 44-764 44-764 Siemens ITE HQPP 1 44-810 44-809 44-764 44-809 44-764 44-764 44-764 Siemens ITE HQPP 2-3 44-764 Siemens ITE HQPH 2 44-783 44-764 44-764 44-764 Siemens ITE HRD6 3 44-823 Siemens ITE HRXD6 3 44-823 Siemens ITE JD6-A 2-3 44-807						
A4-764 Siemens ITE						
Siemens ITE HQP 1 44-810 44-809 44-764 44-809 44-764 44-764 44-764 44-764 44-764 44-764 44-810 44-764 44-809 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-803 44-823 44-823 51-80-81 44-823 51-80-81 44-807	5.00.0 112	.1002 11				
A4-764	Siemens ITE	HQP		1		
Siemens ITE HQP 2-3 44-783 Siemens ITE HQPP 1 44-810 44-809 44-764 Siemens ITE HQPP 2-3 44-783 44-764 44-764 Siemens ITE HQPPH 2 44-783 44-764 44-764 Siemens ITE HRD6 3 44-823 Siemens ITE HRXD6 3 44-823 Siemens ITE JD6-A 2-3 44-807					44-809	
A4-764					44-764	
Siemens ITE HQPP 1 44-810 44-809 44-764 44-809 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-764 44-823	Siemens ITE	HQP		2-3		
44-809 44-764	0:	HORS				
A4-764	Siemens IIE	HQPP		1		
Siemens ITE HQPP 2-3 44-783 44-764 44-764 Siemens ITE HQPPH 2 44-783 44-764 44-764 Siemens ITE HRD6 3 44-823 Siemens ITE HRXD6 3 44-823 Siemens ITE JD6-A 2-3 44-807						
44-764	Siemens ITF	HUDD		2-3		
Siemens ITE HQPPH 2 44-783 44-764 44-764 Siemens ITE HRD6 3 44-823 Siemens ITE HRXD6 3 44-823 Siemens ITE JD6-A 2-3 44-807	OIGIIIGIIƏ ITE	HUFF		2-3		
Siemens ITE HRD6 3 44-823 Siemens ITE HRXD6 3 44-823 Siemens ITE JD6-A 2-3 44-807	Siemens ITE	НОРРН		2		
Siemens ITE HRD6 3 44-823 Siemens ITE HRXD6 3 44-823 Siemens ITE JD6-A 2-3 44-807	C.SHIOHO ITE	HATTI				
Siemens ITE JD6-A 2-3 44-807	Siemens ITE	HRD6		3		
	Siemens ITE	HRXD6		3	44-823	
Siemens ITE JJ3 44-807	Siemens ITE	JD6-A		2-3	44-807	
	Siemens ITE	JJ3			44-807	

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Manufacturer	Model	Classification	Poles	Device	Cleat Number
Siemens ITE	JL3		3	44-807	
Siemens ITE	JXD2-A		2-3	44-807	
Olomono III	0/152 / 1		2 0	44-823	
Siemens ITE	JXD6-A		2-3	44-807	
				44-823	
Siemens ITE	LL3			44-807	
Siemens ITE	MD6		2-3	44-823	
Siemens ITE	MXD6		2-3	44-823	
Siemens ITE	MXD6-ETI		2-3	44-823	
Siemens ITE	ND6		2-3	44-823	
Siemens ITE	NXD6		2-3	44-823	
Siemens ITE	PD6		3	44-823	
Siemens ITE	PXD6		3	44-823	
Siemens ITE	QJ2		2-3	44-809	44-785
				44-764	
Siemens ITE	QJ2-H		2-3	44-809	44-785
				44-764	
Siemens ITE	QJH2		2-3	44-809	44-785
				44-764	
Siemens ITE	QP		1	44-810	
				44-809	
				44-764	
Siemens ITE	QP		2-3	44-783	
	<u>.</u>			44-764	
Siemens ITE	QP1		1	44-809	
0	0511			44-764	
Siemens ITE	QPH		1	44-810	
				44-809	
Ciamana ITF	ODLI		0.4	44-764	
Siemens ITE	QPH		2-4	44-783	
Siemens ITE	QPP		1	44-764	
SIGILIGIIS LLE	UFF		'	44-810	
				44-809 44-764	
Siemens ITE	QPP		2-3	44-783	
OIGIIIGIIS IIL	QH		2-3	44-764	
Siemens ITE	QPPH		1	44-810	
Oldifions ITE	QIIII		'	44-809	
				44-764	
Siemens ITE	QPPH		2-3	44-783	
				44-764	
Siemens ITE	RD6		3	44-823	
Siemens ITE	RXD6		3	44-823	
Siemens ITE	SCMD6	Sol St Trip Ckt Bkr	3	44-823	
Siemens ITE	SCND6	Sol St Trip Ckt Bkr	3	44-823	
Siemens ITE	SHMD6	Sol St Trip Ckt Bkr	3	44-823	
Siemens ITE	SMD6	Sol St Trip Ckt Bkr	3	44-823	
Siemens ITE	SND6	Sol St Trip Ckt Bkr	3	44-823	
Simplex	NX		3	44-807	44-786
Square D	EDB		1-3	44-809	
				44-764	
Square D	EGB		1-3	44-809	
				44-764	
Square D	EH4		1-3	44-809	
				44-764	
Square D	EHB		1	44-809	
0	FUD		0.0	44-764	
Square D	EHB		2-3	44-783	
0	EID			44-764	
Square D	EJB		1-3	44-809	
Cauara D	F7		2	44-764	
Square D	EZ	100 4	3	44-823	44.705
Square D	FA	100 Amp Frame	1-3	44-809	44-785
Square D	FAL	100 Amp Frame	1-3	44-809	44-785
Square D	FC	100 Amp Frame	3	44-809	44-785
Square D Square D	FCL FDA	100 Amp Frame FDA 34040	2-3	44-809	44-785
Square D	FUA	FDA 34040		44-809 44-764	
Square D	FH	100 Amp Frame	1-3		44-785
Square D	FH	100 Amp Frame 100 Amp Frame	1-3	44-809 44-809	44-785 44-785
Broaker recommendation					t he verified

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Manufacturer	Model	Classification	Poles	Device	Number
Square D	FHL-DC	100 Amp Frame	3	44-809	44-785
Square D	FI	100 Amp Frame	3	44-809	44-785
Square D	FIL	100 Amp Frame	3	44-809	44-785
Square D	FY	100 Amp Frame	1	44-809	44-785
Square D	GJL	Mag Gard	3	44-809	44-785
Square D	KA	250 Amp Frame	2-3	44-809	44-785
Square D	KAL KAP		2-3	44-809	44-785
Square D Square D	KC	250 Amp Frame	2-3	44-807 44-809	44-785
Square D	KCL	250 Amp mame	2-3	44-809	44-785
Square D	KH	250 Amp Frame	2-3	44-809	44-785
Square D	KHL	2007111101110	3	44-809	44-785
Square D	KI	250 Amp Frame	2-3	44-809	44-785
Square D	KIL	250 Amp Frame	2-3	44-809	44-785
Square D	LA	400 Amp Frame	2-3	44-807	44-786
Square D	LAL		2-3	44-807	44-786
				44-823	
Square D	LH	400 Amp Frame	2-3	44-807	44-786
Square D	LHL		3	44-807 44-823	44-786
Square D	LHP			44-807 44-823	44-786
Square D	MA		3	44-823	
Square D	MA	1000 Amp Frame	2-3	44-807	44-786
Square D	MAL	1000 / linp i lamo	3	44-823	44 700
Square D	MH	1000 Amp Frame	2-3	44-807	44-786
Square D	MHL		2-3	44-823	
Square D	ML-1		3	44-807	44-786
Square D	ML-3		3	44-823	
Square D	Q1B	250 Amp Frame	2-3	44-809	
				44-764	
Square D	Q1L	250 Amp Frame	2-3	44-809 44-764	
Square D	Q2	250 Amp Frame	2-3	44-809	44-785
Square D	Q2H	250 Amp Frame	2-3	44-809	44-785
Square D	Q2L	250 Amp Frame	2-3	44-809	44-785
Square D	Q2MT	250 Amp Frame	2-3	44-809	44-785
Square D	Q4	400 Amp Frame	2-3	44-807	44-786
Square D	Q4L	400 Amp Frame	2-3	44-807	44-786
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Square D	QOB-H	QO	2	44-764 44-768	
Square D	QOB-VH	QO QO	1	44-810	
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Square D	QOB-VH	QO	2-3	44-783	
Square D	QO-H	Q0	2	44-768	
Square D	QOM1-VH	Main Circuit Breaker QO	2	44-809 44-764	
Square D	QOM2-VH	Main Circuit Breaker QO	2	44-809 44-764	
Square D	QO-SWN	Q0	2-3	44-810	
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Square D	QOU	DIN Rail Mount QO	1	44-768	
Square D	QOU	DIN Rail Mount QO	2-3	44-809	
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Westinghouse HCA 3 44-809 44-764 Westinghouse HFB 1-3 44-809 44-785 44-764 Westinghouse HFD 1-4 44-809						
Westinghouse HCA 3 44-809 44-785 44-764 Westinghouse HFB 1-3 44-809 44-785 44-764 Westinghouse HFD 1-4 44-809	Westinghouse	HBAX		1		
Westinghouse HCA 3 44-809 44-785 44-764 Westinghouse HFB 1-3 44-809 44-785 44-764 Westinghouse HFD 1-4 44-809						
Westinghouse HFB 1-3 44-764 Westinghouse HFD 1-4 44-809 HFD 1-4 44-809	Wastinghouse	HCv		9		//_70E
Westinghouse HFB 1-3 44-809 44-785 Westinghouse HFD 1-4 44-809	พรองเกษุกบนจะ	TIOA		J		CO 1-PP
Westinghouse HFD 1-4 44-764	Westinghouse	HFB		1-3		44-785
	·					
44-764	Westinghouse	HFD		1-4		
					44-764	

				IDEAL	IDEAL
Manufacturer	Madel	Classification	Deles	LO	Cleat
Manufacturer Westinghouse	Model HKD	Classification	Poles 3	Device 44-807	Number
Westinghouse	HLA		3	44-807	
Westinghouse	HLB			44-807	
Westinghouse	HMC			44-807	
Westinghouse	HMCP			44-809	44-785
				44-764	
Westinghouse	HNC			44-823	
Westinghouse	HQNP		3	44-809	
-				44-764	
Westinghouse	HQP		1	44-810	
				44-809	
				44-764	
Westinghouse	JA			44-807	
Westinghouse	JD		2-4	44-807	
Westinghouse	KA		3	44-807	44-786
Westinghouse	KB		0	44-807	44.700
Westinghouse	LA		3	44-807	44-786
Westinghouse Westinghouse	LB LBB		3	44-807 44-807	
Westinghouse	LDD		3	44-807	
Westinghouse	MA		2-3	44-807	44-786
Westinghouse	MC		2-3	44-807	44-786
Westinghouse	MCC		2-3	44-807	44-786
Westinghouse	MCP0		3	44-809	44-785
Wostingnouse	WIOI O		J	44-764	44 700
Westinghouse	NB			44-823	
Westinghouse	P		3	44-809	
rroomgnodoo			Ĭ	44-764	
Westinghouse	QBHW		1	44-810	
3				44-809	
				44-764	
Westinghouse	QC		1	44-810	
				44-809	
				44-764	
Westinghouse	QC	Quicklag C	3	44-783	
Westinghouse	QCHQ		1	44-810	
				44-809	
				44-764	
Westinghouse	QHCW		1	44-810	
				44-809	
Mastinghauss	OHOV		4	44-764	
Westinghouse	QHCX		1	44-810 44-809	
				44-809	
Westinghouse	QHPW		1	44-810	
westingnouse	QIII W		'	44-809	
				44-764	
Westinghouse	QPHW		1	44-810	
	-			44-809	
				44-764	
Westinghouse	Quicklag P			44-809	
-	_			44-764	
Westinghouse	RE			44-809	
				44-764	
Westinghouse	RH		3	44-807	
Westinghouse	WPHX		1	44-810	
				44-809	
7!	1105		_	44-764	
Zinsco	HQB		3	44-809	
Zinooo	OD		4	44-764	
Zinsco	QB		1	44-809	
Zinsco	QCB		2	44-764 44-783	
Z1110UU	WUD			44-764	
Zinsco	Type Q		1	44-809	
000	13 00 0			44-764	
Zinsco	Type T		1	44-809	
				44-764	

Circuit Breaker Lockout Systems



Without Integral Locks







- Use your own padlocks
- Recommend rail mounted on outside of panel to permit closure
- Panel door can close on 1/16", vinyl coated, galvanized cable (panel spacing gasket may be needed on panel doors w/tight clearances)

Lockouts for Square D and other breakers with a lever through hole

Description	Cat. No.	
Starter Kit Panel Lock System – Integral Locks S	44-765	
Kit 44-765 Includes:	Cat. No.	
4 in. Mounting Rail	1	44-769
Square D NQO locking cables with integral lock*	2	44-766

Lockouts for Standard, Straight Lever Breakers

Description	Cat. No.	
Starter Kit Panel Lock System – Integral Locks S	44-761	
Kit 44-761 Includes:	Qty.	Cat. No.
4 in. Mounting Rail	1	44-769
120/277V Locking Cables with Integral Lock*	2	44-762

Description:	Qty.	Cat. No.
High density, self-adhesive panel spacing gasket, 3/8 in. x 1 in. x 15 ft.	1	44-750

*Components can be ordered separately by the catalog number listed. They are packaged in quantities of one.

Comply with the NEW "Disconnecting Means" standard for motor, motor circuits and controllers in **article 430.102B of the 2002 National Electric Code.**

- Adhesive backed rails allow system to be permanently installed in or just outside of an electrical panel, putting all lockout items at the point of need.
- Lockout systems allow the panel door to be shut during lockout applications.
- Optional Panel Spacing Gasket enables panel doors with tight clearances to be closed during lockout.
- Kits available for standard 120-277 Volt Panels and SQ D NQO Series Panels
- Locks single and multiple pole breakers.

With Integral Locks







- Cables come with master lock base to fit cable key
- Locks are small enough to allow the panel door to be closed during lockout

Description	Cat. No.	
Starter Kit Panel Lock System without Integral Le	44-767	
Kit 44-767 Includes:	Cat. No.	
4 in. Mounting Rail	1	44-769
Square D NQO locking cables without integral lock*	2	44-768

Description	Cat. No.	
Starter Kit Panel Lock System without Integral Lo	44-763	
Kit 44-763 Includes: Qty.		Cat. No.
4 in. Mounting Rail	1	44-769
120/277V Locking Cables without Integral Lock*	2	44-764



Miniature Circuit Breaker Lockouts for European-Style Breakers

- Easy to install push button action requires no tools
- Lightweight Xenoy locks are required
- See user guide below for the style that fits your application

Pins Out - #44-779





Pins Out Wide - #44-784



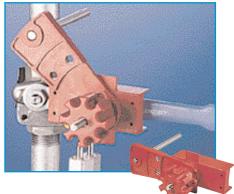
Tie Bar - #44-787



Manufacturer	Model	Breaker Number of Poles	IDEAL Lockout Device
ABB	F374	1	44-779
	S222	1	44-779
	S251, S261, S263	1	44-779
	S272, S253	1	44-779
	S253	3	44-779
AEG	E82S	2	44-779
Allen-Bradley	1492-CB1, 2, 3	1,2,3	44-779
Buschmat	S46	1	44-779
Clipsal	4CB116	1	44-779
	4CB320	3	44-779
Cutler-Hammer	WME	1-3	44-779
	WMF	1-3	44-779
	WMH	1-4	44-779
	WMM	1-4	44-779
	WMN	1-4	44-779
	WMS	1-4	44-779
E-T-A	911225	1	44-780
	911220G	2	44-779
FAZ	C16	1	44-779
	C16	4	44-779
General Electric	1 Pole	1	44-780
	2 Pole	2	44-780
	3 Pole	3	44-780
	SGD	2-3	44-779
	SGH1	3	44-779
	SGH4	2-3	44-779
	SGH6	2-3	44-779
	SGL1	2-3	44-779
	SGL4	2-3	44-779
	SGL6	2-3	44-779
	SGLA		44-779
General Electric	SGP4	2-3	44-779
	SGP5	2-3	44-779
	V	1-3	44-780
	V-Line	1-4	44-780
GE Vynckier	Series G	1	44-780
	Series E	3	44-780
	Series G	3	44-780
	Series E	4	44-780
GE Vynckier 16A	Series E	2	44-780
GE Vynckier C16, 16A	Series E	1	44-780
Hager	MW216A	2	44-779
	453717	3	44-779

		Breaker Number	IDEAL
Manufacturer	Model	of Poles	Lockout Device
Hager	MW620A	4	44-779
Карр	LS68	1	44-780
Legrand	01908	1	44-779
	01935	2	44-787
	04302	2	44-780
	01980	3	44-787
	06469	3	44-780
	01980	4	44-787
Lemag	SD62	1	44-809
Merlin Gerin	C32N	1-4	44-779
	C45AD	3	44-779
	C60	1-4	44-779
	C60H	1-4	44-779
	C60L	2-3	44-779
	C60N	1-4	44-779
	C80A	3	44-784 or 44-787
	NC100N	1-4	44-784
Merlin Gerin+B83	B100A	2	44-784 or 44-787
Proteus	C16	1	44-779
	C6	1,3	44-779
	BSEN60947-3	2	44-783
	AC22 BS5419	2	44-783
Siemans 17U	5SQ11	1	44-784
	5SQ12	2	44-787
	5SQ13	3	44-787
	5SQ16	4	44-787
Siemans B32	5SX21	1	44-784
Siemans Big Sgl Throw	3VF3	3	44-809
Siemans C10	5SX1	1	44-784
Siemans C32	5SX1-2	2	44-787
Siemans C70	5SX13	3	44-787
Siemans L20A	5SN2-2	2	44-787
Square D	Q1B	2-3	44-784
	Q1L	2-3	44-784
	Q2	2-3	44-784
	Q2H	2-3	44-784
	Q2L	2-3	44-784
	Q2MT	2-3	44-784
	Q4	2-3	44-784
Curaum	Q4L	2-3	44-784
Sursum	EA53	3	44-780
Wylex	WRS40/2	2	44-779

Universal Ball Valve Lockout



- Designed to lock out quarter turn valves of varying sizes and geometries
- Accommodates handle sizes to 1-1/14 in. thick x 1-5/8 in. wide
- Locks valves in on, off or throttled position
- Nylon and stainless steel construction

Description	Cat. No.
Small Universal Ball Valve Lockout w/ 1 in. x 3/4 in. handle	44-770
Large Universal Ball Valve Lockout w/ 1-5/8 in. x 1-1/4 in. handle	44-771

Ball Valve Lockout Devices



- Patented design fits most major brand ball valves
- Designed to lock in off position only
- Complies with OSHA lockout standard

Valve Size (In.)	Max. Shackle Length	Material	Cat. No.
1/2 to 1-1/4	_	Polypropylene	44-846
1-1/4 to 3	_	Polypropylene	44-847
1/4 to 1 (not shown)	9/32	Nylon	44-820
1-1/4 to 3 (not shown)	9/32	Heavy steel	44-821

Gate Valve Lockouts



- Unique patent pending rotating design allows for easier installation in confined space applications
- Each size rotates into itself and nests within the next larger size to save space in storage
- Up to four workers can apply their personal safety locks
- Complete with high-visibility permanent safety labels (English, French & Spanish) that can be written on to identify the responsible person, then erased for the next job
- Tough, lightweight, dielectric Xenoy thermoplastic bodies withstand chemicals; perform effectively in extreme conditions (temperature range -50°F (-46°C) to +350°F (177°C)

Valve Size	Qty./Pkg.	Cat. No.
1 in. to 3 in.	1	44-824
2 in. to 5 in.	1	44-825
4 in. to 6-1/2 in.	1	44-826
6 in. to 10 in.	1	44-827
8 in. to 13 in.	1	44-828
Set of five sizes (1 in. to 13 in.)		44-818

Pneumatic Lockout



- Isolates equipment from compressed air
- Fits C, D and E couplers
- Accommodates most 1/4 in., 3/8 in. and 1/2 in. fittings
- Accepts 1/4 in. or 9/32 in. padlock shackles
- Durable plastic construction

Description	Cat. No.
Pneumatic Lockout	44-774



Adjustable Cable Lockout

- Infinitely adjustable safety hasp and cable
- Ideal for multiple circuit breaker panels and side-by-side gate valve lockouts
- Feed the cable end through the points to be locked out, then back through the lockout body. Cinch it tight to remove any slack with the patented locking feature
- Tough, flexible multi-stranded 6 ft. 1/4" dia. steel cable is insulated with a clear vinyl coating
- Tough, lightweight, dielectric Xenoy® thermoplastic body withstands chemicals; performs effectively in extreme conditions

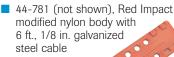


- Up to four workers can apply their personal safety locks
- Complete with high-visibility, re-usable, write-on safety labels (English, French & Spanish). Identify the responsible person, then erase for the next job.

Description	Cat. No.
Adjustable Cable Lockout	44-808

Cable Lockouts

44-829 Unique hasp lockout device accepts up to six 9/32 in. padlocks and comes with a 6 ft. plastic-coated steel cable





44-829 44-781

Description	
Cable Lockout, 6 ft. cable	
Cable Lockout System (not shown), 6 ft. cable	

Plug Lockouts

- Accommodate a variety of electrical plug and cord sizes to prevent accidental connection or disconnection
- Durable plastic body resists wear, chemicals and job-site abuse
- Accommodates cable ties or padlocks (with up to 3/8 in. shackles)



Description	Size	Cat. No.
Plug Lockouts – 110V	2 in. x 2 in. x 3-1/2 in.	44-818
Plug Lockouts – 220/550V	3-1/4 in. x 3-1/4 in. x 7 in.	44-819

Wall Switch Lockouts

- Our patent pending universal Wall Switch Lockout locks out both toggle and decora wall switches
- The universal design assures switch is locked on or off. It also hinges open for unobstructed normal switch operation
- The standard wall switch lockout fits most wallmounted single or threeway electrical switches



Description	Qty./Card	Cat. No.
Universal Wall Switch Lockout	1	44-772
Standard Wall Switch Lockout (not shown)	1	44-789

Electric Plug Lockout

- Slides over cord prongs and locks in place to prevent cord from being plugged into an outlet
- Cannot be removed without
- Works on any 2- or 3-prong plug



Description	Cat. No.
Electric Plug Lockout	44-782
Electric Plug Lockout (keyed alike – key 8002)	44-8002

Fuse Blockout and Lockout Devices

- Highly visible fuse blockouts snap into blade-type fuse blocks to prevent installation of fuses
- Fuse lockout snaps easily into place and can be cable tied for added security
- Fit most Buss and Gould fuse blocks



Description	Qty./Card	Cat. No.
1/4, 9/32 and 9/16 in. Fuse Lockout	3	44-815
13/16 in., 1-1/6 in. and Blade Fuse Lockout	3	44-816
13/32 in. Fuse Lockout	3	44-813

Aluminum Safety Lockout Padlocks



- High visibility, baked-on powder coated finish stays bright
- Ideal for corrosive and tough environments
- Rekeyable bodies for easy key system maintenance
- Hardened shackles for superior resistance to cutting

Bumper Color	Cat. No.
Blue	44-920
Black	44-921
Red	44-922
Yellow	44-923

Steel Padlocks

- Rustproofed, steel case with nickel-plated shackle withstands abuse and environmental hazards
- Includes two keys
- 1-1/2 in. wide lock with 9/32 in. shackle diameter
- Keyed-alike and Master-Keyed locks available by special order



Bumper Color	3/4 In. Shackle Clearance Cat. No.	2 In. Shackle Clearance Cat. No.
Blue	44-900	44-901
Black	44-902	44-903
White	44-904	44-905
Red	44-906	44-907
Green	44-908	44-909
Yellow	44-910	44-911

Xenoy Safety Lockout Padlocks





- Non-conductive, lightweight Xenoy® body
- 1-1/2 in. shackle clearance
- 1-1/2 in. wide lock with 1/4 in. shackle
- Four colors for easy identification
- Keyed alike and Master-Keyed locks available by special order

Bumper Color	Cat. No.
Blue	44-912
Black	44-914
Red	44-916
Yellow	44-918



- Easy identification of employees' locks
- Write-on, vinyl labels with peel-off adhesive backing
- Polyester over laminate protects label

Description	Cat. No.
Lock Labels	44-898

Marking Pens

- Fast-drying, permanent ink will not smear
- Use on write-on marker cards and write-on cable-tie marker plates
- Color-coded in red or black



Tital paragraph



Heavy-Duty Lockout Tags







- High-visibility lettering
- Laminated plastic tags have non-fade legends, resist corrosive and harsh environmental conditions and a 7/8 in. grommet
- Vinyl tags are silk screened with a metal grommet; red tie fastener included
- Exceeds OSHA's 50-lb. pullout requirement

Legend	Туре	Qty.	Cat.No.
Do Not Operate	Heavy-Duty Laminated	Card of 5	44-830
Do Not Operate	Heavy-Duty Laminated	Box of 100	44-1830
Do Not Operate	Economy Vinyl	Bag of 25	44-848
Do Not Operate – Maintenance Department	Heavy-Duty Laminated	Card of 5	44-831
Do Not Operate – Maintenance Department	Economy Vinyl	Bag of 25	44-844
Do Not Operate — Electricians at Work	Heavy-Duty Laminated	Card of 5	44-832
Do Not Operate — Electricians at Work	Economy Vinyl	Bag of 25	44-843
Do Not Operate — (red striped background)	Heavy-Duty Laminated	Card of 5	44-833
Do Not Operate — (red striped background)	Heavy-Duty Laminated	Box of 100	44-1833
Do Not Operate (red striped background)	Economy Vinyl	Bag of 25	44-849
Do Not Operate — Lockout Steps Required	Heavy-Duty Laminated	Card of 5	44-835
Do Not Operate (Photo ID - Self Sealant)	Heavy-Duty Laminated	Card of 5	44-834

Group Lock Box

- Helps ensure maximum security for complex work team situations
- Allows up to 13 individuals to personally lock the closed box
- Heavy-duty steel construction resists unauthorized entry and job-site abuse
- Compact 8-3/4 in. x 3-1/2 in. x 6 in. design



Bilingual Lockouts and Tags

- Spanish/English tags provide extra safety and information in bilingual situations
- High-visibility lettering
- Laminated plastic tags with non-fade legends resist corrosive and harsh environmental conditions
- Write-on tag with 7/8 in. grommet can be padlocked to device to help prevent unauthorized removal



Legend	Qty./Card	Cat. No.
Do Not Operate (striped)	5	44-841

Safety Lockout Hasps







- Allow up to six workers to lock out a single energy source
- Rustproofed, plated and vinyl-coated
- Labeled hasps feature anodized aluminum alloy construction for long-term durability
- Permanent "Do Not Operate" labels accept pens, pencils and permanent markers

Safety Lockout Hasps

Jaw Diameter	Qty./Card	Cat. No.
1 in.	3	44-800
1-1/2 in.	2	44-801

Labeled Safety Lockout Hasps

Legend	Color	Qty./Card	Cat. No.
Do Not Operate	Blue	1	44-790
Do Not Operate	Red	1	44-791

Voltage and Conduit Markers

Large:

1 marker per card 2-1/4 in. x 9 in. each w/1-3/4 in. type



Medium:

4 markers per card 1-1/8 in. x 4-1/2 in. each w/3/4 in. type



Small:

18 markers per card 2-1/4 in. x 1/2 in. each w/5/16 in. type



- Identify junction boxes, switches, circuit breakers, raceways, pipe and fuse boxes
- Non-conductive for user safety
- High-adhesion properties with easy removability
- Vinyl-impregnated cloth construction provides long-lasting durability
- Resist abrasion, moisture, dirt and oil
- Non-smear, black legend on bright orange background for high visibility

Specifications:

Temperature Range:	-40°F 1	to 180°F	(-40°C to	82°C)
Adhesion: 45 oz./in.	width i	ultimate		

	Large	Medium	Small
Legend	Cat. No.	Cat. No.	Cat. No.
120/208V	44-295	44-296	44-297
277/480V	44-298	44-299	44-300
110V	44-301	44-351	44-401
120V	44-303	44-353	44-403
208V	44-305	44-355	44-405
220V	44-306	44-356	44-406
230V	44-307	44-357	44-407
240V	44-308	44-358	44-408
277V	44-310	44-360	44-410
380V	44-311	44-361	44-411
440V	44-312	44-362	44-412
460V	44-313	44-363	44-413
480V	44-314	44-364	44-414
600V	44-317	44-367	44-417
2,400V	44-321	N/A	N/A
4,160V	44-322	N/A	N/A
13,800V	44-328	N/A	N/A
DANGER	44-289	N/A	N/A
HIGH VOLTAGE	44-292	N/A	N/A
SINGLE PHASE	44-340	44-390	44-440
THREE PHASE	44-342	44-392	44-442

Flash Protection Labels and Signs

National Electric Code 110.16 Flash Protection: *Switchboards, panel boards, industrial control panels, and motor control centers,* in other than dwelling occupancies, that are likely to require examination, adjustment, servicing or maintenance while energized, shall be field marked to warn qualified persons of potential electric arc flash hazards. The marking shall be located so as to be clearly visible to qualified persons before examination, adjustment, servicing or maintenance of the equipment.

Required Labels - 44-892/44-893



Arc Flash Labels 44-894/44-895



Recommended Signs – 44-896/44-897



Description	Туре	Size	Qty./Bag	Cat. No.
NEC Arc Flash, Warning	Self-Sticking Polyester	3-1/2 in. x 5 in.	5	44-892
NEC Arc Flash, Warning	Self-Sticking Polyester	5 in. x 7 in.	5	44-893
NEC Arc Flash, Danger	Self-Sticking Polyester	5 in. x 7 in.	5	44-894
NEC Arc Flash, Danger	Self-Sticking Polyester	4 in. x 6 in.	5	44-895
NEC Arc Flash, Warning	Self-Sticking Polyester	7 in. x 10 in.	1	44-896
NEC Arc Flash, Warning	Fiberglass	10 in. x 14 in.	1	44-897



Lockout Signs

■ Resistant to both chemicals and abrasion — protected graphics for indoor and outdoor use

OSHA Regulation Signs









Legend	Material	Size (In.)	Cat. No.
OSHA Regulation	Self-sticking polyester	3-1/2 x 10	44-877
OSHA Regulation – Bilingual	Self-sticking polyester	7 x 10	44-878
Lockout Safety Center	Acrylic	6H x 9W x 4D	44-885
Lock Out Before Servicing	Self-sticking polyester	2-1/4 x 4-1/2	44-884
Notice in Accordance with OSHA	Fiberglass	20 x 14	44-887

Magnetic Danger Signs



DANGER
EQUIPMENT
BEING SERVICED
DO NOT
OPERATE

Legend	Material	Size (In.)	Cat. No.
Danger Breakers Locked Out –	Magnetic	5 x 7	44-890
Danger Equipment Being Serviced Do Not Operate	Magnetic	5 x 7	44-891

Danger Signs

Resistant to both chemicals &

abrasion — protected graphics for indoor & outdoor use











Legend	Material	Size (In.)	Cat. No.
Danger – High Voltage	Fiberglass	10 x 14	44-862
Danger – High Voltage	Self-Sticking Polyester	7 x 10	44-863
Danger – High Voltage – Keep Out	Fiberglass	10 x 14	44-880
Danger – High Voltage – Keep Out	Self-Sticking Polyester	7 x 10	44-881
Danger High Voltage – Spanish	Self-Sticking Polyester	7 x 10	44-865
Danger High Voltage – Bilingual	Fiberglass	20 x 14	44-882

Detectable Underground Tapes

- Solid aluminum foil core tapes for protection, location and identification of underground utility installations
- Meets or exceeds industry standards including the American Public Works Association (APWA) color code
- Formulated to resist degradation from acid and alkali found in soils
- Lead-free pigments and organic lead-free ink

Property	Method	Value
Thickness	ASTMD2103	5.0 Mils
Elongation	ASTMD882-75B	80%
Composition	IDEAL Specs.	Bottom layer virgin PE Top layer virgin PET Foil industry standard
Tensile Strength	ASTMD882	35 lbs./in. (15,000 PSI)

Legend	Color	Size	Cat. No.
Caution Buried Electric Line Below	Red	3 in. x 1,000 ft.	42-201
Caution Buried Electric Line Below	Red	6 in. x 1,000 ft.	42-251
Caution Buried Fiber Optic Cable Below	Orange	6 in. x 1,000 ft.	42-252

Non-Detectable Underground Tapes

- For protection, location and identification of underground utility installations
- Formulated to resist degradation from acid and alkali found in soils
- Lead-free pigments and organic



Property	Method	Value
Thickness	ASTMD2103	4.0 Mils
Elongation	ASTMD882-75B	500%
Composition	IDEAL Specs.	100% virgin LDPE
Tensile Strength	ASTMD882	2,750 PSI

Recommended Burial Depth

3 in. Tape - 4 in. to 6 in.

6 in. Tape - less than 12 in.

0 III. 1ape – 1655 IIIaii 12 III.			
Legend	Color	Size	Cat. No.
Caution Buried Electric Line Below	Red	3 in. x 1,000 ft.	42-101
Caution Buried Electric Line Below	Red	3 in. x 250 ft.	42-131
Caution Buried Electric Line Below	Yellow	3 in. x 1,000 ft.	42-102
Caution Buried Telephone Line Below	Orange	3 in. x 1,000 ft.	42-103
Caution Buried Fiber Optic Line Below	Orange	3 in. x 1,000 ft.	42-104
Caution Buried Electric Line Below	Red	6 in. x 1,000 ft.	42-151
Caution Buried Electric Line Below	Yellow	6 in. x 1,000 ft.	42-152





- High-visibility safety yellow or red polyethylene construction with bold black letters
- Meets OSHA specifications Section 1010.144 for marking physical hazards

Property	Method	Value
Elongation	ASTM D88-75B	≥ 400%
Composition	IDEAL Specs.	100% virgin LDPE
Tensile Strength	ASTM D882	2,350 PSI TD 1,893 PSI MD

Legend	Color	Size	Thickness	Cat. No.
Caution	Yellow	3 in. x 1,000 ft.	4.0 Mils	42-001
Caution Do Not Enter	Yellow	3 in. x 1,000 ft.	4.0 Mils	42-002
Caution High Voltage	Yellow	3 in. x 1,000 ft.	4.0 Mils	42-003
Danger	Red	3 in. x 1,000 ft.	4.0 Mils	42-051
Danger High Voltage 277V/480V Keep Out	Red	3 in. x 1,000 ft.	4.0 Mils	42-052

Legend	Color	Size	Thickness	Cat. No.
Caution	Yellow	3 in. x 250 ft.	2.0 Mils	42-031
Caution	Yellow	3 in. x 1,000 ft.	2.0 Mils	42-011
Caution Do Not Enter	Yellow	3 in. x 1,000 ft.	2.0 Mils	42-012
Danger	Red	3 in. x 1,000 ft.	2.0 Mils	42-015





Quality Construction

- One-piece design for added strength
- Superior locking mechanism
- Exceeds industry tensile strength ratings

Low Insertion Force

- Tapered thin tip reduces initial friction
- Lowest insertion force with the highest tensile strength
- Reduces installation fatigue

No Burrs or Sharp Edges

- Smooth corners provide added safety
- Rounded edges eliminate insulation damage



Stepped Tail Gripper

- Tapered tail grip assures positive threading
- Stepped tail allows for easier grabbing and tightening once engaged







Angled Tail

- Eases initial insertion alignment
- Lowers installation costs

Material Selection

- Natural General Purpose 6/6 Nylon
 - Suitable for most applications
 - Meets UL 94V-2 flammability ratings
 - 85°C/185°F working temperature
- UV Black Nylon 6/6
 - Suitable for most applications with continuous or extended exposure to outdoor elements
 - Weather resistant grade, able to endure ultraviolet (UV) light
 - Meets UL 94V-2 flammability ratings
 - 85°C/185°F working temperature
- Heat Stabilized Black Nylon 6/6
 - Suitable for most applications with continuous or extended exposure to high temperatures
 - Meets UL standards for electrical applications
 - Meets UL 94V-2 flammability ratings
 - 125°C/254°F working temperature

Miniature (18 lb.) Natural & UV Black

Description	Length	Width	Thickness	Max Bundle	Tensile Strength	Mil-Spec Reference	Qty./Bag	Cat. No.	
Natural Nylon						1400007 4 0	100	IT1M-C	
Natural Nylon	4.0 in./102mm	.094 in./2.39mm	.042 in./1.06mm	1/16 - 7/8	18 lbs.	MS3367-4-9	1000	IT1M-M	
UV Black Nylon	4.0 111./ 102111111	.004 111./2.00111111	.042 111./ 1.00111111	1/10 1/0	10 103.	1400007 4 0	100	IT1M-C0	
UV Black Nylon						MS3367-4-0	1000	IT1M-M0	
Natural Nylon							100	IT1_5M-C	
UV Black Nylon	6.1 in./154mm	.094 in./2.39mm	.042 in./1.06mm	1/16 - 1-1/2	06mm 1/16 - 1-1/2 18 lbs.	1/16 - 1-1/2 18 lbs.		100	IT1_5M-C0
Natural Nylon							100	IT1_5M-C30	
Natural Nylon							100	IT2M-C	
Natural Nylon	8.1 in./206mm .094 in./2.39m	094 in /2 39mm	042 in /1 06mm	.042 in./1.06mm 1/16 - 2-3/16 18 lbs.	1/16 2 2/16	16 2 2/16 19 lbc		1000	IT2M-M
UV Black Nylon		.03 1 111.7 2.03111111	.0 12 111.7 1.00111111	.042 111.71.00111111 1710 2 0710	10 103.		100	IT2M-C0	
UV Black Nylon							1000	IT2M-M0	

^{*}IM, 1_5M & 2M Series



Intermediate (40 lb.) Natural & UV Black

Description	Length	Width	Thickness	Max Bundle	Tensile Strength	Mil-Spec Reference	Qty./Bag	Cat. No.											
Natural Nylon						M00007 F 0	100	IT1_5I-C											
Natural Nylon	5.7 in./145mm	.140 in./3.56mm	.049 in./1.24mm	1/16 - 1-7/16	40 lbs.	MS3367-5-9	1000	IT1_5I-M											
UV Black Nylon	0.7 111.7 1 10111111	. 1 10 111./ 0.00111111	.0 10 111./ 1.2 1111111	1/10 1 1/10	10 155.	M00007 F 0	100	IT1_5I-C0											
UV Black Nylon						MS3367-5-0	1000	IT1_5I-M0											
Natural Nylon		8.8 in./224mm .140 in./3.56mm .049 in./1.24mm 1/16 - 2-3/8 4	.049 in./1.24mm	1/16 - 2-3/8						M050007 F 0	100	IT2I-C							
Natural Nylon					40 lbs.	MS53367-5-9	1000	IT2I-M											
UV Black Nylon	8.8 in./224mm					MS53367-5-0	100	IT2I-C0											
UV Black Nylon							1000	IT2I-M											
Heat Stabilized Black Nylon					100	IT21-C30													
Natural Nylon	11.5 in./292mm	11 5 :- /000 140 :- /0 00	.142 in./3.60mm	.055 in./1.40mm	1/10 0 0/0	1/10 0.0/0	40 lbs.		100	IT3I-C									
UV Black Nylon		.142 111./3.00111111	.000 111./1.40111111	1/16 - 3-3/8	40 105.		100	IT3I-C0											
Natural Nylon	14.5 in./368mm	.142 in./3.60mm	.055 in./1.40mm	1/16 - 4	1/16 - 4	mm 1/16 - 4	40 lbc	40 lb-	40 lbs	40 lba		100	IT4I-C						
UV Black Nylon	14.5 111./300111111	. 142 111./3.00111111	.033 111./ 1.40111111				1/10 - 4	1/10 - 4	1/10 - 4	1/10 - 4	1/10 - 4	1/10 - 4	1/10 - 4	1/10 - 4	1/10 - 4	1/10 - 4	40 lbs.	1/10 - 4 40 105.	40 105.

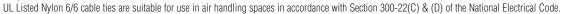
^{*1 5 &}amp; 21 Series



Standard (50 lb.) Natural, UV Black & Heat Stabilized Black

Description	Length	Width	Thickness	Max Bundle	Tensile Strength	Mil-Spec Reference	Qty./Bag	Cat. No.
Natural Nylon						MC0007 4 0	100	IT2S-C
Natural Nylon						MS3367-1-9	1000	IT2S-M
UV Black Nylon	7.5 in./190mm	.178 in./4.52mm	.053 in./1.34mm	1/16 - 1-7/8	50 lbs.	MS3367-1-0	100	IT2S-C0
UV Black Nylon						IVIS3307-1-U	1000	IT2S-M0
Heat Stabilized Black Nylon							100	IT2S-C30
Natural Nylon						MC22C7 7 0	100	IT3S-C
Natural Nylon	11.2 in./284mm	.178 in./4.52mm	.053 in./1.34mm	34mm 1/16 - 3-1/16	6 - 3-1/16 50 lbs.	MS3367-7-9	500	IT3S-D
UV Black Nylon						MS3367-7-0	100	IT3S-C0
UV Black Nylon							500	IT3S-D0
Heat Stabilized Black Nylon							100	IT3S-C30
Natural Nylon						MS3367-2-9	100	IT4S-C
Natural Nylon							500	IT4S-D
UV Black Nylon	14.5 in./368mm	.178 in./4.52mm	.053 in./1.34mm	1/16 - 4-1/8	50 lbs.	MC22C7 2 0	100	IT4S-C0
UV Black Nylon						MS3367-2-0	500	IT4S-D0
Heat Stabilized Black Nylon							100	IT4S-C30
Natural Nylon					100	IT5S-C		
UV Black Nylon	17.0 in./432mm	.190 in./4.82mm	.053 in./1.34mm	1/16 - 4-3/4	50 lbs.		100	IT5S-CO

^{*2}S, 3S & 4S Series







Light Heavy-Duty, Heavy-Duty & Extra Heavy-Duty Natural, UV Black & Heat Stabilized Black

Description	Length	Width	Thickness	Max Bundle	Tensile Strength	Mil-Spec Reference	Qty./Bag	Cat. No.	
Natural Nylon	15.1 in./384mm	.300 in./7.62mm	.075 in./1.90mm	3/16-4-1/16	120 lbs.	MS3367-3-9	50	IT4LH-L	
UV Black Nylon	13.1 111./304111111	.500 111./1.02111111	.073 111.71.30111111	3/10-4-1/10	120 103.	MS3367-3-0	50	IT4LH-L0	
Natural Nylon	- 17.8 in./451mm	.300 in./7.62mm	.075 in./1.90mm	3/16-5-1/4	120 lbs.		50	IT5LH-L	
UV Black Nylon	17.0 111.7 40 1111111	.000 111./1 .02111111	.070 111.7 1.30111111	3/10 3 1/4	120 103.		50	IT5LH-L0	
Natural Nylon	24.2 in./614mm	.300 in./7.62mm	.075 in./1.90mm	3/16-7	120 lbs.		50	IT7LH-L	
UV Black Nylon	24.2 111./014111111	.000 111./1 .02111111	.070 111.7 1.30111111	3/10 /	120 103.		50	IT7LH-L0	
Natural Nylon	28.0 in./711mm	.300 in./7.62mm	.075 in./1.90mm	3/16-8	120 lbs.		50	IT8LH-L	
UV Black Nylon	20.0 111.77 1 1111111	.000 111./1 .02111111	.070 111.7 1.30111111	3/10 0	120 103.		50	IT8LH-LO	
Natural Nylon	25.3 in./642mm	.340 in./8.64mm	.090 in./2.29mm	3/16-7-3/16	175 lbs.	MS3367-10-9	50	IT7H-L	
UV Black Nylon	20.0 111.70 12111111	.0 10 111.70.0 111111	.000 111.72.2011111	0,10 1 0,10	170 103.	MS3367-10-0	50	IT7H-L0	
Natural Nylon	33.1 in./841mm	.340 in./8.64mm	.090 in./2.29mm	3/16-9-3/4	175 lbs.	MS3367-12-9	50	IT10H-L	
UV Black Nylon	00.1 111.70 11111111	.0 10 111.70.0 111111	.000 111.72.2011111	0/10 3 0/1	170 103.	MS3367-12-0	50	IT10H-L0	
Natural Nylon	37.1 in./942mm	.340 in./8.64mm	.090 in./2.29mm	3/16-11	175 lbs.	MS3367-13-9	50	IT11H-L	
UV Black Nylon	07.1 111.75 1211111	.0 10 111.70.0 111111	.000 111.72.2011111	0/10 11	170 103.	MS3367-13-0	50	IT11H-L0	
Natural Nylon						MS3367-16-9	50	IT14H-L	
Gray Nylon	47.8 in./1214mm	.340 in./8.64mm	.090 in./2.29mm	3/8-14-1/2	175 lbs.	MS3367-16-8	50	IT14H-L8	
UV Black Nylon						MS3367-16-0	50	IT14H-L0	
Natural Nylon	22.8 in./579mm	.50 in./12.7mm	.080 in./2.03mm	3/16-6	250 lbs.	6 250 lbc		100	IT6EH-C
UV Black Nylon	22.0 111./01 3111111	.00 111./ 12.7111111	.000 111./2.00111111	3/10 0			100	IT6EH-C0	

^{*4}LH, 7H, 10H, 11H, 14H Series





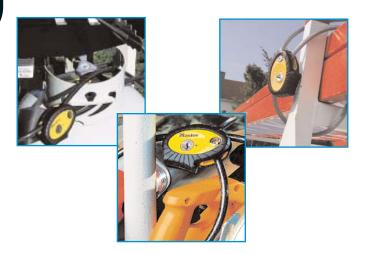
Python™ Adjustble Locking Cable

Python™ Adjustable Locking Cable secures anything within its grasp. It's the only locking cable that is always the right length for your application. This exclusive, patented product holds the flexible steel cable tight at any position for infinite possibilities.



- Infinite Locking Positions The patented lock holds the cable tight at any position from 1 ft. (30cm) to 6 ft. (1.8m)
- Application Flexibility Interchangeable cables
- Keyed Alike Convenience Rekeyable cylinder
- Cut Resistance 3/8 in. (10mm), 100% steel braided cable
- Weather Tough Rust resistant aluminum lock body
- Scratch Resistant Vinyl cable sleeve and lock body bumper

Other Applications: Bikes, lawn furniture, lawn mowers, job sites, canoes, boats, skis, snowboards, generators, pickup truck cargo, spare tire locks and much more.



Description	Cat. No.
Master Lock Python Kit with 6 ft. Cable-keyed different	44-990
Master Lock Python Kit with 6 ft. Cable-keyed alike	44-991
12 ft. (3.7m) x 3/8 in. (10mm) Cable for Python Lock	44-992

Pro-Series® Shackless Lock and Hasp

- Ideal for vans, trucks, gates and vending
- Defeats attempts to pry and cut
- Hardened solid steel lock body withstands forcible attacks
- Complete with high security 6-pin Pro Series® Cylinder





Description	Cat. No.
Hidden Shackle Solid Steel Padlock	44-994
Solid Steel Hasp for use with 44-994	44-993



Test and Measurement

Industrial Clamp Meters w/Exclusive TightSight™ Display

600 and 1000 amp clamps for a variety of industrial and commercial environments

- Unique TightSight™ bottom display makes hard-to-reach measurements convenient
- New easy-to-read displays feature large numbers and green glowing backlight
- CAT IV rating for maximum safety
- Voltage-presence warning on all functions

Description	Cat. No.
400AAC Clamp Meter w/NCV	61-732
400AAC Clamp Meter w/NCV, TRMS	61-736
600AAC Clamp Meter	61-764
600AAC Clamp Meter w/TRMS, Capacitance, Frequency, 40AAC Low Range	61-766
600AAC w/TRMS, DC Current	61-768
1000AAC w/TRMS	61-772
1000AAC w/TRMS, DC Current, Capacitance	61-774











SureTest® Circuit Tracers

- Numeric value and audibl signal provide quick and easy-tounderstand tracing feedback
- Receiver display rotates automatically for easy viewing
- Identifies breakers and fuses
- Pinpoints opens and shorts
- Can be used on circuits 0-600V AC/DC

Description	Cat. No.
SureTest® Circuit Tracer	61-954
SureTest® Circuit Tracer	61-956
SureTest® Open/Closed Circuit Tracer	61-958





61-958



Split Jaw™ Smart-Meter

- Automatically tests voltage, current, resistance and continuity without need for a dial
- Ultimate safety tool combines the simplicity of a tester with the measuring capability of a clamp meter
- Open split-jaw configuration enables quick, in-and-out testing
- Measures 0.1-200 AAC* 1.3-750 VAC 0.1-1000 VDC 1-2000 Ohms
- Audible continuity
- Data hold

*Jaw opening allows up to 1/0 Cu cable (max diameter 0.5" or 27mm) Recommended accessory: C-90 Carrying Case







Description	Cat. No.
Split Jaw™ Smart-Meter	61-096

Smart-Meter Specif	ications	61-09	96
	RANGE & R	ESOLUTION	BASIC ACCURACY
AC VOLTAGE	75	i0V	1.5%
DC VOLTAGE	10	V0C	1.0%
AC CURRENT	200).0A	3.0%
RESISTANCE	200	00Ω	1.0%



700 Series 4-in-1 Test Tool

- 200A current capability
- Non-contact voltage (40-600VAC)
- Capacitance
- Low battery indication
- Overload protection on all ranges
- Integral lead storage
- Audible dangerous voltage warning on all ranges
- Auto power off
- Ergonomic hourglass shape
- Compact clamp head
- Lifetime limited warranty



Accessories

Includes	
Carrying case	C-700
Silicone test leads	TL-102

Description	Cat. No.
4-in-1 Test Tool — Vibration mode to verify AC voltage, harmonics indicator, data hold, max hold, Cat III-1000V rating	61-702
4-in-1 Test Tool — True RMS, backlight, vibration mode to verify AC voltage, harmonics indicator, max hold, Cat III-1000V rating	61-704

700 Series Specifica	ations 61-702	61-702 & 61-704		
	RANGE & RESOLUTION	BASIC ACCURACY		
AC VOLTAGE	2000m/200.0/600 V	1.2%		
DC VOLTAGE	2000m/200.0/1000 V	0.5%		
AC CURRENT	200.0 A	3.0%		
RESISTANCE	200.0/200.0k Ω	1.0%		
CAPACITANCE	200.0μ F	3.0%		
FREQUENCY	_			





PlatinumPro® 320 Series Digital Multimeter

- Capacitance
- Frequency
- Auto/manual ranging
- Min/max
- Data hold
- Auto power off

Description	Cat. No.
Digital Multimeter – True RMS	61-322
Digital Multimeter – True RMS, backlight, data acquisition, software and RS-232 interface	61-324

Accessories

Includes	
Premium test leads w/alligator clips	TL-100
Optional	
Carrying case	C-290
Current clamp adapter	61-334
ProVision™ software	61-904
RS-232 cable	61-905





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320 Series Specifications		61-322	61-324
	RANGE & RESOLUTION	BASIC ACCURACY	
AC VOLTAGE	600.0m6.000/60.00/600.0/750 V	0.9%	0.9%
DC VOLTAGE	600.0m/6.000/60.00/600.0/1000 V	0.5%	0.5%
AC CURRENT	60.00m/600.0m A	1.5%	1.5%
DC CURRENT	600.0μ /6000μ/60.00m/600.0m A	1.0%	1.0%
RESISTANCE	600.0/6.000k/60.00k/600.0k 6.000M/60.00M Ω	0.7%	0.7%
CAPACITANCE	60.00µ/600.0µ/6.000m F	1.9%	1.9%
FREQUENCY	6000/60.00k/600.0k/6.000M/60.00M Hz	0.01%	0.01%

Test & Measurement

Insulation Testers

- Checks new installations for proper insulation
- Checks existing installations and motor windings for breakdowns in insulation



Description	Cat. No.
MEGGER® Digital Insulation Tester — 250/500/1000V test voltages, test inhibition >25V, default voltmeter to 600V AC/DC, digital display with analog arc, auto discharge, auto power off, auto ranging, protective rubber boot, continuity, low battery indication, Cat III-300V, includes carrying case	61-791

Insulation Teste Specifications	er 61-791	61-791	
	RANGE & RESOLUTION	ACCURACY	
TEST VOLTAGE	250/500/ 1000 V		
INSULATION RESISTANCE	999ΜΩ	8.0%	
CONTINUITY	0.01-100Ω	3.0%	

MEGGER® is a registered trademark of Megger, Inc.



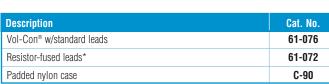
Vol-Con® Elite Voltage/Continuity Tester

- Digital circuitry for accurate measurements
- Tests for AC voltage from 24-600VAC
- Tests for DC voltage from 6-220VDC
- Audible continuity
- Replaceable silicone test leads
- Low impedance to eliminate ghost voltages
- Non-contact voltage indication (40-600VAC)
- Integral lead storage
- CAT III 1000V

Vol-Con® Description	Cat. No.
Vol-Con® Elite	61-090
Vol-Con® Elite w/vibration mode	61-092
Replacement leads	TL-102
Nylon carrying case	C-90



- Extremely rugged and reliable three-in-one tester
- Vibrates when voltage is present
- Tests for AC voltage from 5-600V AC/DC
- Patented, automatic switching continuity tester
- Bright, long life LED's and neon indicator lamp
- Replaceable plug-in leads with shielded probe tips
- Dual voltage indication for backup safety
- 5-year warranty



*Special, current-limiting resistor in each lead acts as a fuse to open in a short-circuit situation.







Vol-Con® XL & Vol-Test® XL

- Extremely rugged and reliable tester
- Vibrates when voltage is present
- Tests for AC/DC voltage
- Replaceable leads with shielded probe tips
- Bright, long-life LED's and neon indicator
- Dual voltage indication for backup safety
- Compact size
- CAT III 600V
- 5-year warranty

Con. XI	
Includes	
Standard test leads	TL-80
Optional	
Resistor-fused leads	TL-82
Padded nylon case	C-90
Standard leather case	61-010

Description	Cat. No.
Vol-Con® XL voltage/continuity tester — Audible continuity, audible voltage indication, tests from 6-600V AC/DC	61-086
Vol-Test® XL voltage tester – Tests from 80-600V AC/DC	61-085
Resistor fused leads*	TL-82
Padded nylon case	C-90

Premium leather case

Accessories

^{*}Special, current-limiting resistor in each lead acts as a fuse to open in a short-circuit situation.





61-020





SureTest® Circuit Analyzers

- True RMS
- Measures voltage drop under 12, 15 and 20-amp load
- Line voltage
- Peak voltage
- Frequency
- Ground-neutral voltage
- Ground impedance
- Hot and neutral conductor impedances
- Identifies proper wiring in 3-wire receptacles
- Identifies false (bootleg) grounds
- Tests GFCIs for proper operation displays trip time and amperage
- Verifies isolated grounds (with 61-176 adapter)









Accessories

Includes	
Carrying case	61-179
1 ft. extension cord	61-182
Optional	
Ground continuity adapter	61-175
Isolated ground adapter	61-176
Extension cord w/alligator clips	61-183

Description	Cat. No.
SureTest® Circuit Analyzer — Standard model	61-164
SureTest® Circuit Analyzer — Tests AFCI for proper operation	61-165

3-Phase/Motor **Rotation Tester**

- Identifies three-phase sequence
- Indicates motor rotation
- Checks for open phases
- For use up to 600V
- Meets IEC-1010 (EN61010) safety requirements
- 5-year warranty Includes carrying case

Description	Cat. No.
3-Phase/Motor Rotation Tester	61-521



Non-Contact Voltage Tester

- Tests for voltage from 40V to 600V AC
- Audible and visual indication
- Locates breaks along live insulated wires
- Tests for energized circuits



Vol-Con® Description	Cat. No.
Volt Sensor™ – Over-molded cushion grip, Cat III-600V	61-063
Powr-Glo™ Audible	61-061

CAT III rating applies to 61-063 only.





Automatic Circuit Identifier with E-Z Check® Plus

- Microprocessor controlled sensitivity level
- Positively identifies circuit breakers and fuses without service interruption
- Checks proper wiring sequence and GFCI operation
- Visual and audible indicators
- 5-year warranty

Description	Cat. No.
Automatic Circuit Identifier with E-Z Check® Plus	61-534





E-Z Check® Plus GFCI **Circuit Tester**

- Tests GFCI receptacles for proper operation
- Tests for correct wiring, open ground, reverse polarity, open hot, open neutral, hot on neutral, hot and ground reversed with open hot and ground fault interruption in 3-wire, 125VAC circuits
- No-slip ergonomic design maximizes comfort
- Premium neon lamps prevent false readings
- Tough, impact-resistant case
- 5-year warranty

Description	Cat. No.
E-Z Check® Plus GFCI Circuit Tester	61-051







Tools & Totes



- Non-slip Santoprene™ textured grips
- New ergonomic design for maximum control
- Plier nose for holding and twisting wires
- Slide lock for safety and storage
- Thumb and finger valley makes stripping easier and more accurate
- "Shear-Cut™" bolt cutters

Description	Wire Range	Cat. No.
Kinetic Super™ Wire Stripper	10-18 AWG Solid	45-715
Kinetic Super™ Wire Stripper	16-26 AWG Stranded	45-716
Kinetic Super™ Wire Stripper	22-30 AWG Solid	45-717
Kinetic Super™ Wire Stripper	8-16 AWG Stranded	45-718

Reflex™ Premium T®-Stripper Wire Strippers



- Ergonomic design for maximum comfort
- Curved handles to reduce wrist fatigue
- Sleeves that extend to stripping head to cushion thumb and fingers
- Textured, no-slip sleeves for a sure, easy grip

Description	Wire Range	Cat. No.
Reflex™ Premium T®-Stripper	10-18 AWG solid	45-415
Reflex™ Premium T®-Stripper	16-26 AWG stranded	45-416
Reflex™ Premium T®-Stripper	22-30 AWG solid	45-417
Reflex™ Premium T®-Stripper	8-16 AWG stranded	45-418
Reflex™ Premium T®-Stripper – Metric	0.5mm ² -4.0mm ²	45-425-341
Reflex™ Premium 14/2 NM Cable T®-Stripper	_	45-448
Reflex™ Premium 12/2 NM Cable T®-Stripper	_	45-449
Reflex™ Premium T®-Cutter	_	45-423

Kinetic™ Reflex® T®-Stripper



- Non-slip Santoprene™ textured grips
- New ergonomic design for maximum control
- Strips 6-14 AWG solid & 8-16 AWG stranded wire

Description	Wire Range	Cat. No.
Kinetic™ Reflex™ T®-Stripper Wire Stripper	10-18 AWG Solid	45-915
Kinetic™ Reflex™ T®-Stripper Wire Stripper	12-20 AWG Stranded	45-918

Reflex™ Super T®-Stripper Wire Strippers



- 6/32 and 8/32 self-chasing screw-cutting holes
- Locking pawl for safe storage
- Ergonomic design for maximum comfort
- Curved handles to reduce wrist fatigue
- Sleeves that extend to stripping head to cushion thumb and fingers
- Textured sleeves with extra cushioning for added comfort

Description	Wire Range	Cat. No.
Reflex™ Super T®-Stripper	8-16 AWG solid	45-615
Reflex™ Super T®-Stripper w/static dissipative grips	16-26 AWG stranded	45-616
Reflex™ Super T®-Stripper w/static dissipative grips	22-30 AWG solid	45-617
Reflex™ Super T®-Stripper	8-16 AWG stranded	45-618
Reflex™ Super 12/2 & 14/2 NM Cable T®-Stripper	12-2 and 14-2 solid	45-621

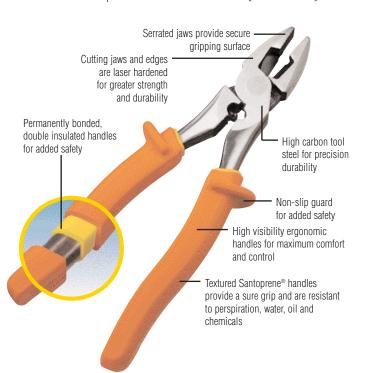


Insulated Tools

The IDEAL insulated tool line creates a perfect blend of safety, comfort and precision functionality. Each tool features double insulated Santoprene® handles with a soft, easy-to-grip outer surface. In addition to the ergonomic qualities found in our tools, the insulated coating process acts as an 'at-a-glance' safety check. If the orange outer coating reveals any of the inner yellow surface, an electrician will know that this tool needs to be replaced.

Pliers

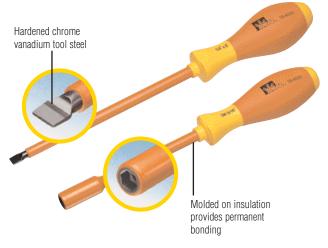
- First UL tested and classified insulated tools available
- 1000 Volt certified (1000V AC, 1500V DC)
- Meets ASTM F1505-01 and IEC 60 900 standards
- Meets OSHA requirements for insulated tools (29 CFR 1910)



Screwdrivers

IDEAL insulated screwdrivers and nutdrivers are individually tested and VDE certified to 1000V AC (1500V DC). Each one is designed and tested to meet ASTM F1505-01, EN, DIN, and IEC 60 900 test

- Ergonomic cushioned grips provide 40% more torque than conventional handles, even when wearing gloves
- Tempered blades finished with black oxide and super hardened for maximum quality
- Precision ground tips provide secure fit for less spin-out
- Meets OSHA requirement (29 CFR 1910) for insulated tools



Whenever possible, always de-energize lines and equipment prior to working on or around them. 1000V insulated tools

are designed only to reduce the chance of injury where the tool may make contact with an energized source. Work around energized circuits should only be done when absolutely necessary and only by qualified technicians. Property damage, personal injury or death may result if the following warnings are not heeded:

- Do not use any insulated tool if the insulation cracks, breaks or becomes damaged in any way. Destroy all dual-layer tools if the inner yellow layer shows through the orange outer layer.
- · Do not touch the uninsulated portion of an insulated tool or any conductive object when either might contact an energized source.
- Tools must be kept clean and dry for proper insulating properties.
- Always inspect insulated tools before use.
- · Use additional protection by wearing protective clothing and approved eye protection.
- · Always use tools that are specifically designed for the task
- These tools meet UL 22PP, ASTM F1505-01 and IEC 60900 standards for insulated tools.
- Always follow OSHA 1910 S and NFPA 70E safety requirements when doing electrical work.

REGULATIONS

Testing:

• Every 1000V insulated tool we sell is individually tested to ensure no failure when subjected to live current.

UL and VDE Certification:

- Listed below are some of the tests we perform in order to pass certification:
 - Tools are immersed in water for 24 hours, then tested under current for 3 minutes to ensure no current leakage or sparkover occurs.
 - After being stored for 168 hours at -40° C (-40° F), tools are dropped to ensure no damage from impact.
 - After being stored for 168 hours at +70° C (158° F), a tensile load is applied to ensure the grip is firmly bonded to the tool.
 - Tools are subjected to flame for 10 seconds to ensure no flammability of the insulating material.

OSHA Regulations:

OSHA 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

OSHA 1910.335 (a)(1)(i) Employees working in areas where there are potential electrical hazards shall be provided with, and shall use, electrical protective equipment that is appropriate for the specific parts of the body to be protected and for the work to be performed.

Make sure you are in compliance by providing and using IDEAL insulated

Tools and Totes

25-Piece Journeyman Kit



25-Piece Journeyman Insulated Kit – 35-9302

Includes:	Cat. No.
Reflex™ Super T®-Stripper	45-9615
Wire Stripper Cutter	45-9120
9-1/2 in. Side Cutting Linesman Pliers	30-9430
8 in. Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Long-Nose Pliers	35-9038
10 in. Tongue and Groove Pliers	35-9430
9-1/2 in. High-Leverage Cable Cutter	35-9052
9-3/4 in. Multi-Crimp Tool	30-9429
1/8 in. x 3 in. Screwdriver	35-9320
3/16 in. x 5 in. Screwdriver	35-9321
1/4 in. x 6 in. Screwdriver	35-9323
5/16 in. x 6 in. Screwdriver	35-9324
3/8 in. x 8 in. Screwdriver	35-9325
#1 Phillips Tip Screwdriver	35-9310
#2 Phillips Tip Screwdriver	35-9311
#3 Phillips Tip Screwdriver	35-9312
3/16 in. Hex Nutdriver	35-9330
1/4 in. Hex Nutdriver	35-9331
5/16 in. Hex Nutdriver	35-9332
3/8 in. Hex Nutdriver	35-9333
7/16 in. Hex Nutdriver	35-9334
1/2 in. Hex Nutdriver	35-9335
Knife	35-9340
VoltSensor™	61-063
Fuse Puller	34-002
Heavy-Duty Soft Tool Case	35-9352

9-Piece Basic Kit



9-Piece Basic Insulated Kit – 35-9300

Includes:	Cat. No.
Reflex™ Super T®-Stripper	45-9615
9-1/2 in. Side Cutting Linesman Pliers	30-9430
8 in. Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Long-Nose Pliers	35-9038
9-1/2 in. High-Leverage Cable Cutter	35-9052
3/16 in. x 5 in. Screwdriver	35-9321
1/4 in. x 6 in. Screwdriver	35-9323
#2 Phillips Tip Screwdriver	35-9311
Fuse Puller	34-002
Heavy-Duty Soft Tool Case	35-9350

Insulated Screwdrivers



Description	Cat. No.
#1 x 3 in. Phillips Screwdriver	35-9310
#2 x 4 in. Phillips Screwdriver	35-9311
#3 x 6 in. Phillips Screwdriver	35-9312
1/8 in. x 4 in. Slotted Screwdriver	35-9320
3/16 in. x 5 in. Slotted Screwdriver	35-9321
7/32 in. x 7 in. Slotted Screwdriver	35-9322
1/4 in. x 6 in. Slotted Screwdriver	35-9323
5/16 in. x 7 in. Slotted Screwdriver	35-9324
3/8 in. x 8 in. Slotted Screwdriver	35-9325

Screwdriver Kit	Cat. No.
9-Piece Insulated Screwdriver Kit (Includes all 9 screwdrivers listed above.)	35-9303



17-Piece Standard Kit



17-Piece Standard Insulated Kit - 35-9301

17 1 1000 Otanuara msuratoa Kit 00 3001	
Includes:	Cat. No.
Reflex™ Super T®-Stripper	45-9615
9-1/4 in. Side Cutting Linesman Pliers	30-9430
8 in. Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Long-Nose Pliers	35-9038
10 in. Tongue and Groove Pliers	35-9430
9-1/2 in. High-Leverage Cable Cutter	35-9052
1/8 in. x 3 in. Screwdriver	35-9320
3/16 in. x 5 in. Screwdriver	35-9321
1/4 in. x 6 in. Screwdriver	35-9323
5/16 in. x 6 in. Screwdriver	35-9324
3/8 in. x 8 in. Screwdriver	35-9325
#1 Phillips Tip Screwdriver	35-9310
#2 Phillips Tip Screwdriver	35-9311
#3 Phillips Tip Screwdriver	35-9312
VoltSensor™	61-063
Fuse Puller	34-002
Heavy-Duty Soft Tool Case	35-9351

Insulated Nutdrivers



Description	Cat. No.
3/16 in. Hex Nutdriver	35-9330
1/4 in. Hex Nutdriver	35-9331
5/16 in. Hex Nutdriver	35-9332
3/8 in. Hex Nutdriver	35-9333
7/16 in. Hex Nutdriver	35-9334
1/2 in. Hex Nutdriver	35-9335
9/16 in. Hex Nutdriver	35-9336

Nutdriver Kit	Cat. No.
7-Piece Insulated Nutdriver Kit (Includes all 7 Nutdrivers listed above.)	35-9304

Insulated Pliers



Description	Cat. No.
9-1/4 in. Side Cutting Linesman Pliers	30-9430
8 in. Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Long-Nose Pliers	35-9038
9-1/2 in. High-Leverage Cable Cutter	35-9052
9-3/4 in. Multi-Crimp Tool	35-9429
10 in. Tongue and Groove Pliers	35-9430
Premium T®-Stripper	35-9120
Reflex™ Super T®-Stripper	35-9615





Description	Cat. No.
Insulated Electrician's Knife	30-9340

Cases

Description	Cat. No.
Tool Roll Case for Basic Kit (35-9300)	35-9350
Tool Roll Case for Standard Kit (35-9301)	35-9351
Tool Roll Case for Journeyman Kit (35-9302)	35-9352
Hard Case for Screwdriver Kit (35-9303)	35-9353
Hard Case for Nutdriver Kit (35-9304)	35-9353



Our pliers are the first to have Insulated Tools successfully passed UL certification!

Recognized as the undisputed leader in product safety and certification, UL has developed rigorous safety standards for 1000V insulated tools. In order to carry the UL listing mark, tools must be tested by UL to meet these standards.

Only tools that carry the UL Listed mark have passed this stringent certification process. Why accept anything else?

Tools and Totes



- 1000V AC, 1500V DC rated per ASTM F 1505-94 and EN 60900 (IEC900)
- Contains: 1/4 in. slotted, 3/16 in. slotted, #1 Phillips, #2 Phillips and 1/4 in. nutdriver
- Accommodates most standard 1/4 in. hex bits
- Powerful magnet securely holds bits in place
- Handle will store up to 8 standard bits

Description	Cat. No.
5-in-1 Non-Conductive Screwdriver/Nutdriver	35-9905
1/4 in. Slotted Replacement Bit	LA-4125
3/16 in. Slotted Replacement Bit	LA-4126
#1 Phillips Replacement Bit	LA-4127
#2 Phillips Replacement Bit	LA-4128



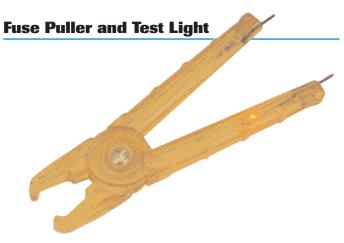
- Molded of tough, high-impact nylon for greater strength
- No-slip gripping surface and protective finger stops for added safety

Description	Cat. No.
Small Puller for 0 to 30A/250V, 1/4 in. to 1/2 in. dia. fuses; 5 in. long	34-015
Large Puller for 0 to 100A/250V & 0 to 60A/600V, 9/16 in. to 1 in. dia. fuses; 7-1/4 in. long	34-016



- Maximum efficiency and convenience for removing or replacing cartridge-type fuses
- Three sizes handle fuses ranging from 0 to 600A
- Fully insulated, high-dielectric, glass-filled polypropylene construction
- Notched handles provide safe, no-slip grip
- Clearly marked amperage ranges
- Exceed MIL specifications

Description	Cat. No.
Small Puller for 250V, 9/32 in. to 1/2 in. dia. fuses; 5 in. long	34-001
Medium Puller for 0 to 100A/250V & 600V, 1/2 in. to 1 in. dia. fuses; 7-1/2 in. long	34-002
Large Puller for 31 to 600A/250V & 31 to 400A/600V, 3/4 in. to 2-1/2 in. dia. fuses; 11-3/4 in. long	34-003



- Convenient pocket-sized tool safety pulls cartridge fuses and checks electrical connections
- Test prods fit parallel and tandem slot receptacles
- Built-in resistors limit current flow to eliminate false indication
- For 9/16 in. to 1 in. fuses
- For use on fuses to 100A/250V and 60A/600V
- Test capacity from 100V to 600V AC/DC

Description	Cat. No.
Fuse Puller & Test Light only	34-012
30 in. Lead w/test prod	34-013
30 in. Lead w/insulated clip	34-014



Rapid-Pak® Fish Tapes



- Inner rotating reel with winding knob retrieves tape faster than traditional fish tapes for increased labor savings
- Funneled tape opening reduces kinking and tape breakage
- Reversible, hinged knob for right- or left-handed rewinds
- Stationary handle for extra durability
- Textured case surface provides positive grip
- Impact-resistant plastic case



Tape with Eyelet



Tape with Leader

Description	Cat. No.	Replacement Tape Cat. No.
Fiberglass tape w/leader – 50 ft.	31-187	31-150
Fiberglass tape w/leader - 100 ft.	31-186	31-152
Fiberglass tape w/leader – 200 ft.	31-207	31-155
Fiberglass tape w/eyelet - 50 ft.	31-190	31-160
Fiberglass tape w/eyelet - 100 ft.	31-189	31-162
Fiberglass tape w/eyelet – 200 ft.	31-208	31-165
Replacement crank assembly (winder knob)	31-220	_

WARNING: Do not use fishtape on live electrical circuits. Always wear eye protection with these products, or any other hand or power tool.

Tuff-Grip™ Fish Tapes



- Non-slip handle and fingertip grooves provide secure grip for added handling comfort
- Oversized handle opening accommodates large, gloved hands
- Large handle increases stability for better winding control
- Durable handle withstands rugged job site conditions
- Textured case surface provides positive grip
- Impact-resistant plastic case

Description	Cat. No.	Replacement Tape Cat. No.
Fiberglass tape w/leader – 50 ft.	31-060	31-150
Fiberglass tape w/leader – 100 ft.	31-061	31-152
Fiberglass tape w/leader – 200 ft.	31-064	31-155
Fiberglass tape w/eyelet – 50 ft.	31-062	31-160
Fiberglass tape w/eyelet – 100 ft.	31-063	31-162
Fiberglass tape w/eyelet – 200 ft.	31-065	31-165
Nylon Monofilament w/eyelet – 50 ft.	31-542	31-552
Nylon Monofilament w/eyelet – 100 ft.	31-544	31-554

Cable Gripping Gloves

- Provide positive grip on lubricated cable
- Comfortable fit



Description	Cat. No.
Rubber-Coated Gloves	31-417

IDEAL INDUSTRIES offers a wide variety of products,

training materials and seminars to help

our customers stay compliant with

Occupational Safety and Health Standards (OSHA) and the **National Electric Code (NEC).**



Occupational Safety and Health Standards (OSHA)

1910.147 The Control of Hazardous Energy (Lockout/Tagout)

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

More information can be found at www.osha.gov.

National Electric Code

Article 110.16 Flash Protection

Switchboards, panelboards, industrial con-

trol panels and motor control centers that are in other than dwelling occupancies and are likely to require examination, adjustment, servicing or maintenance while energized, shall be field marked to warn qualified persons of potential electric arc flash hazards. The marking shall be located so as to be clearly visible to qualified persons before examination, adjustment, servicing or maintenance of the equipment.

National Electric Code

Article 430.102 Disconnect Means Location

(B) Motor Disconnect. A disconnecting means must be located in sight of the motor location and the driven machinery location. The controller disconnecting means, in accordance with 430.102(A), can serve as the disconnecting means for the motor, if the controller disconnect is located in sight of the motor location and the driven machinery location.

Exception: The motor disconnecting means is not required to be in sight of the motor and the driven machinery location under either condition (a) or (b) below, provided the controller disconnecting means required in accordance with 430.102(A) is capable of being individually locked in the open position.

The provision for locking or adding a lock to the disconnecting means must be permanently installed on or at the switch or circuit breaker used as the controller disconnecting means.

- (a) Where such a location of the disconnecting means is impracticable or introduces additional or increased hazards to persons or property.
- (b) In industrial installations, with written safety procedures, where conditions of maintenance and supervision ensure only qualified persons will service the equipment.

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