



SAFETY SOLUTIONS OVERVIEW

DECEMBER 2013

SAFETY SOLUTIONS

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Contents

- Safety Category Summary
- Safety Products Overview
- Recent Product Launches

Safety Solutions Overview

Master Lock Safety Solutions ensure that workers' lives and their productivity are protected from hazardous energy

- A machine doesn't care if you lose a hand, or your life
- Our products are positioned for the Safety Manager who finds value in protecting the well-being of his or her people as well as the equipment they work on



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Safety Solutions Overview



1989
OSHA
Establishes
Lockout/Tagout
Regulation



1995
Introduction of
6835 Aluminum
Padlocks



2003
American Lock
Acquisition



2009
Guardian Extreme
Tags & Signs



2013
Field ID
Acquisition

1990
#3 Steel Padlocks



1996
Thermoplastic Padlocks



2004
Lockout Devices



2009
Consulting Services



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**Master
Lock**

OSHA Compliance

Master Lock safety products are designed to comply with OSHA's 1910.147 Lockout/Tagout regulation

- OSHA Lockout/Tagout regulation 1910.147 was released in 1990 requiring the use of a padlock and lockout device to prevent the unexpected energization of machinery
- Lockout is a process employed during planned and unplanned maintenance, servicing, cleaning or repair
- Simply "turning off" equipment is sometimes not possible, or it is not a sufficient safeguard from the hazardous energy source
- In order to maintain compliance, employers must develop a full lockout/tagout program including energy control procedures, training, annual inspection and the use of padlocks and lockout devices



OSHA Requirements

OSHA's 1910.147 lockout standard requires employers to establish an energy control program to protect workers from hazardous energy

- An energy control program ensures employees adequately isolate machines from hazardous energy during maintenance operations
- The energy control program must include the following three elements:
 - Machine specific written lockout procedures
 - How to isolate energy supply from machines
 - Lockout device, padlock and tag requirements
 - Annual inspections to ensure procedures are followed and updated
 - Employee training



Key Statistics

Several factors are driving usage of Lockout/Tagout products

- LOTO has been a top 10 OSHA violation for years: \$2.5MM in fines assessed through 1.1K citations in FY12'
- Fine for serious OSHA violations doubled in FY11' to a max. penalty of \$7K
- Financial liability for injury or death can reach \$ millions
- Protecting corporate image: 4600 U.S. worker deaths in FY11'
- OSHA site visits rising: +4% FY12', +2% FY13'
- EHS employment growth: Bureau of Labor estimates +13% (2010-2020)



Key Vertical Markets

Master Lock markets Lockout/Tagout products and services to end users within a wide variety of industries

<u>Automotive</u>     	<u>Pharmaceutical/ Medical</u>    <small>A Promise for Life</small>	<u>Retail & Hospitality</u>  	<u>Semiconductors / High Technology</u>   
<u>Oil/Refinery</u>    	<u>Chemical</u>   	<u>Mining</u>  	<u>Food Industry</u>  

Global corporations have helped spur the adoption of lockout tagout practices by implementing standardized safety programs

Competitor Comparison

Master Lock offers a full assortment of products and software designed to facilitate OSHA compliance

Competitor	Core Competency	Padlocks	Hasps	Lockout Devices	Safety ID	Procedure Software
	Padlocks	X	X	X	X	X
	Safety ID	X	X	X	X	X
	Safety ID	X	X	X	X	
	Padlocks	X	X			
	Electrical Lockout	X	X	X		
	Devices	X	X	X	X	

Master Lock Meets OSHA Standard

Master Lock offers the most robust safety product assortment in the market

Requirements per OSHA 29CFR 1910.147 standard	Master Lock LOTO Products
Durable: Manufactured with materials that withstand usage environment	✓
Substantial: Can't be removed without excessive force	✓
Standardized: Clearly differentiated from other devices by color, shape	✓
Identifiable: Indicates employee that installed lockout device	✓
Exclusive for Safety: Not to be used for purposes other than controlling energy	✓

Safety Product Assortment

We offer a full portfolio of safety lockout products, but true compliance goes well beyond a padlock or device



Padlocks



Hasps



Valve Lockouts



**Electrical
Lockouts**



Cable Lockouts



Group Lock Box



**Lockout Kits &
Stations**



Signs & Tags

Padlocks and devices alone don't make end users OSHA compliant. True compliance is achieved through a "system level" approach to lockout tagout.

Safety Solutions Value Proposition

Fully customized, end-to-end safety compliance systems designed to protect employees and equipment



Registered padlock systems custom keyed, colored and engraved according to facility's lockout program

Devices designed to lockout the specific equipment within a facility

Safety identification products customized to the messaging needs of a facility

Field ID automated safety compliance management software

Each customer requires a unique set of products and processes to establish compliance within their facility

Safety Padlocks

Padlocks are a core element of our business and they create the foundation of any lockout system

Master Lock offers the market leading assortment of lockout padlocks



Laminated Steel



Anodized Aluminum



Painted Aluminum



Thermoplastic





Additional offerings:

- Complimentary LifeGuard™ key charting service ensures key codes aren't duplicated within a facility
- Custom keying available to meet facility requirement: KD, KA, MK, GMK, GGMK

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Choosing the Right Safety Padlock





Core Padlock Features				
System Size	1.4K changes	10-40K changes	10-40K changes	40K changes
Key Control	Low: Duplicates available	Medium or High: duplicates via locksmith or restricted keyway	Medium or High: duplicates via locksmith or restricted keyway	High: restricted keyway
Identification	6 Colors (bumper only)	9 Colors laser engraving	6 Colors laser engraving	9 Colors laser engraving ID and Danger labels
Re-Keyable	No	Yes	Yes	No
Corrosion Resistance	Good	Excellent	Excellent	Excellent
Lightweight	No, 7 oz.	Yes, 5 oz.	Yes, 5 oz.	Yes, 3-4 oz.
Other Options	1.5", 2" shackles Danger labels	1.5", 3" shackles Brass shackle for spark resistance Danger & Photo ID labels	1.5", 3" shackles Brass shackle for spark resistance Danger & Photo ID labels	1.5", 3" shackles Dielectric version Stainless shackle for corrosion resistance Weather cover Photo ID labels

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Choosing the Right Safety Padlock

System size requirements are a key criteria to determining which padlock is best suited for a system

Core Padlock Features				
System Size	1.4K changes (4-pin)	10K changes (5-pin) 40K changes (6-pin)	10K changes (5-pin) 40K changes (6-pin)	40K changes (6-pin)

- Need to account for current and future system expansion requirements
 - Employee turnover, new hires, contractors all require new padlocks
 - Recommend current requirements plus 30%
- Aluminum padlock standard config. includes 5-pin cylinder (10K changes). Can be upgraded to 6-pin cylinder (40K changes)
- Selection between 6-pin aluminum and plastic determined by usage environment and other feature requirements

Choosing the Right Safety Padlock

A restricted keyway ensures that unwanted duplicate keys cannot be introduced to a system

Core Padlock Features				
Key Control	Low: duplicates available	Medium or High: duplicates via locksmith or restricted keyway	Medium or High: duplicates via locksmith or restricted keyway	High: restricted keyway
Re-keyable	No	Yes	Yes	No

- Key duplication introduces uncontrolled extra keys into a system
- The W401 Safety cylinder has a restricted keyway, therefore, duplicates aren't available in field
 - Standard cylinder for thermoplastic, optional on aluminum
- Non-re-keyable padlocks prevent unwanted re-keying in field

Choosing the Right Safety Padlock

A wide variety of identification options are available to foster compliance with OSHA requirements

Core Padlock Features				
Identification	6 Colors (band)	9 Colors laser engraving	6 Colors laser engraving	9 Colors laser engraving ID and Danger labels

- At a minimum, lockout padlocks must be visibly identifiable from other security devices
 - Color is most common means, and can also be used to differentiate worker classes (Ex: electrician, plumber)
- Laser engraving provides permanent identification, recommended for harsh environments where labels could deteriorate over time
- Thermoplastic locks include “Danger” and write on employee ID labels

Choosing the Right Safety Padlock

A padlock's usage environment drives the need for corrosion resistance, dielectric or non-sparking options

Core Padlock Features				
Corrosion Resistance	Good	Best	Best	Best
Other Options		Brass shackle for spark resistance	Brass shackle for spark resistance	Dielectric version Stainless shackle for corrosion resistance

- Aluminum and plastic padlocks are tested to Grade 6, the highest level of corrosion resistance per ASTM test F883-09, 11.1
- Stainless steel shackle available on S30 series plastic line for ultimate corrosion resistance
- Padlocks tested to withstand common industrial chemicals: sodium hypochlorate, acetic acid, sodium metasilicate, diethyl ether, methanol, methylene chloride, naphtha, n-hexane, toluene and polydimethylsiloxane

Safety Padlocks

Master Lock safety padlocks are designed to handle a variety of applications and usage environments



Thermoplastic

- Exclusively designed for LO/TO
- Lightweight, durable
- Comes with identification labels (in 3 languages)
- Reserved for safety cylinder
- Available in 9 colors



Powder Coated Aluminum

- Vibrant colors offers high visibility
- Durable aluminum
- Master Lock brand
- Available in 6 colors



Anodized Aluminum

- Durable anodized finish for tough environments
- Available in 9 colors
- American Lock brand



Laminated Steel

- Strong reinforced laminated steel
- Economical
- 6 bumper colors available

Thermoplastic Safety Padlocks

Designed exclusively for LOTO purposes and are easily identifiable within a facility

- Non-rekeyable ensures your safety lockout system stays pure by preventing haphazard rekeying and the accidental introduction of duplicate key codes
- Durable, standardized, and identifiable for OSHA 1910.147 compliance
- Chemical and temperature resistant, UV stable
- Lightweight for easy carrying
- One key to comply with “one employee, one padlock, one key” industry standard
- Available in up to 9 colors
- Includes write-on “Danger” and “Property Of” labels



Master Lock Model No	Description
410 Series	Thermoplastic Safety Padlock with 1/4" dia shackles
406 Series	Thermoplastic Dielectric Safety Padlock with 1/4" dia shackles
411 Series	Thermoplastic Bilingual Safety Padlock with 1/4" dia shackles
S31 Series	Thermoplastic Safety Padlock with 3/16" dia stainless steel shackles
S32 Series	Thermoplastic Dielectric Safety Padlock with 3/16" dia shackles
S33 Series	Thermoplastic Snap Lock Safety Padlock with 3/16" dia stainless steel shackles

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Aluminum Safety Padlocks

Lightweight and durable making them excellent for LOTO applications

- Weigh only 5 ounces, making them easy to carry
- Solid body construction stands up to physical abuse
- Temperature tested, corrosion resistant and UV stable for extreme environments
- Write-on labels and Photo ID labels available
- Choose from powder coated or anodized finish
 - Anodized finish suitable for lockout in food processing facilities
- Available in 15 total finishes/colors

<u>Master Lock Model No</u>	<u>Description</u>
6835 Series	Powder Coated Aluminum Padlocks
6836 Series	Interchangeable Core Powder Coated Aluminum Padlocks
A1100 Series	Anodized Aluminum Padlocks
A3100 Series	Interchangeable Core Anodized Aluminum Padlocks



Master Lock. Powder Coated Aluminum Safety Padlocks



AMERICAN LOCK Anodized Aluminum Safety Padlocks

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Keying

All of our safety padlock products can be keyed to meet the unique safety requirements of your facility

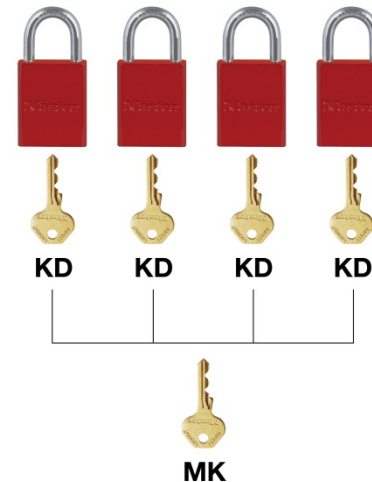
One Key – One Lock – One Employee.

**10' s of Thousands of
Unique Key Changes**



Keyed Different

**Ability to Master Key if
Required**

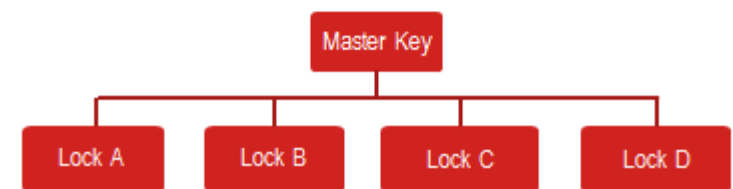
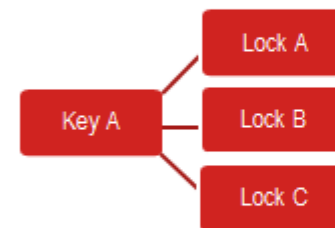


Master Keyed

Keying

OSHA allows padlocks to be KD, KA or even MK as long as keys are tightly controlled

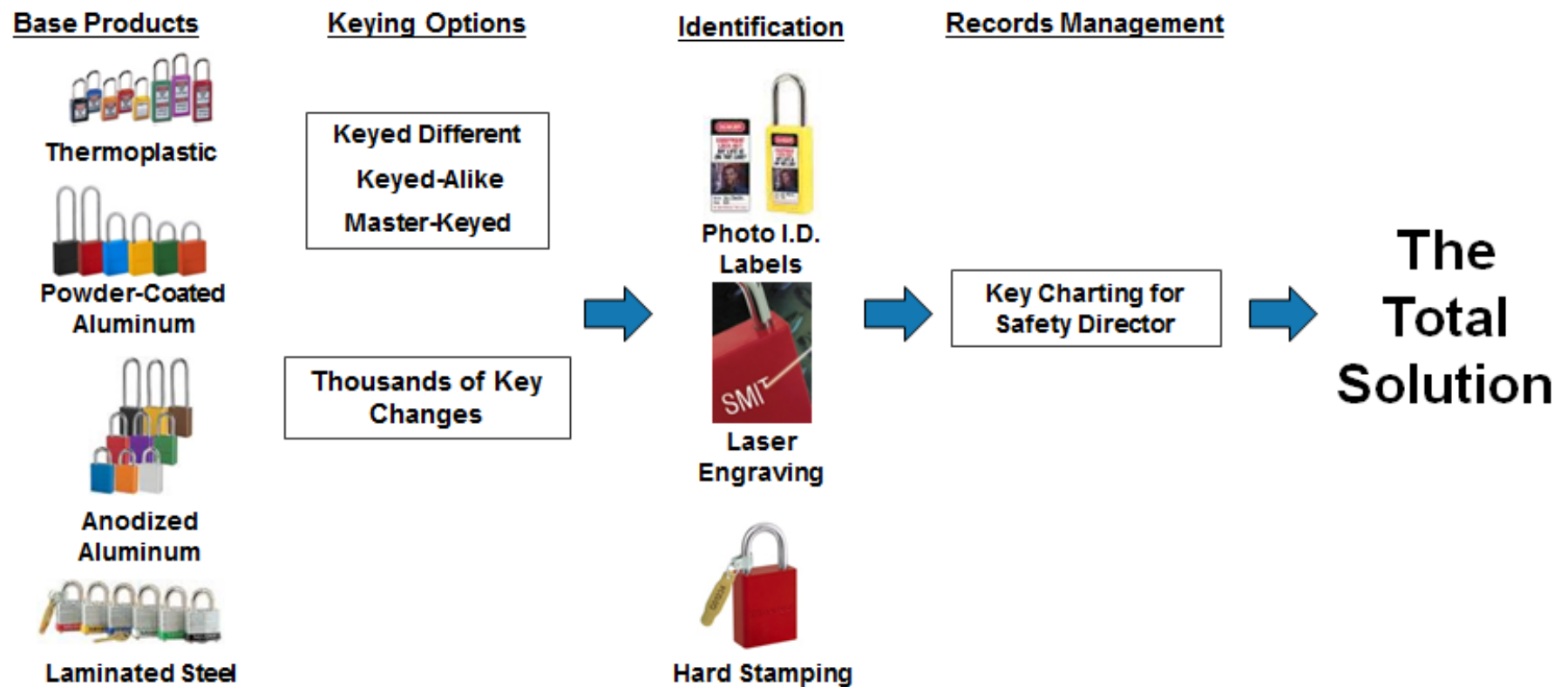
- **Keyed different:** Provide maximum assurance that no two locks can be opened with the same key. Follows the “one lock, one key, per employee” principle
- **Keyed alike locks:** Multiple locks open with the same key. KA locks typically assigned as personal locks or for lockout procedures
- **Master Keyed or Grand Master Keyed** systems combine a group of locks or cylinders so each is operated by its own change key as well as by a master key for the entire group. Employed when hierarchical access to locks is required



The use of a master key to remove a lockout device would be deemed equivalent if it is performed under the employer's direction and in accordance with the requirements established in 1910.147(e)(3) Source: OSHA website

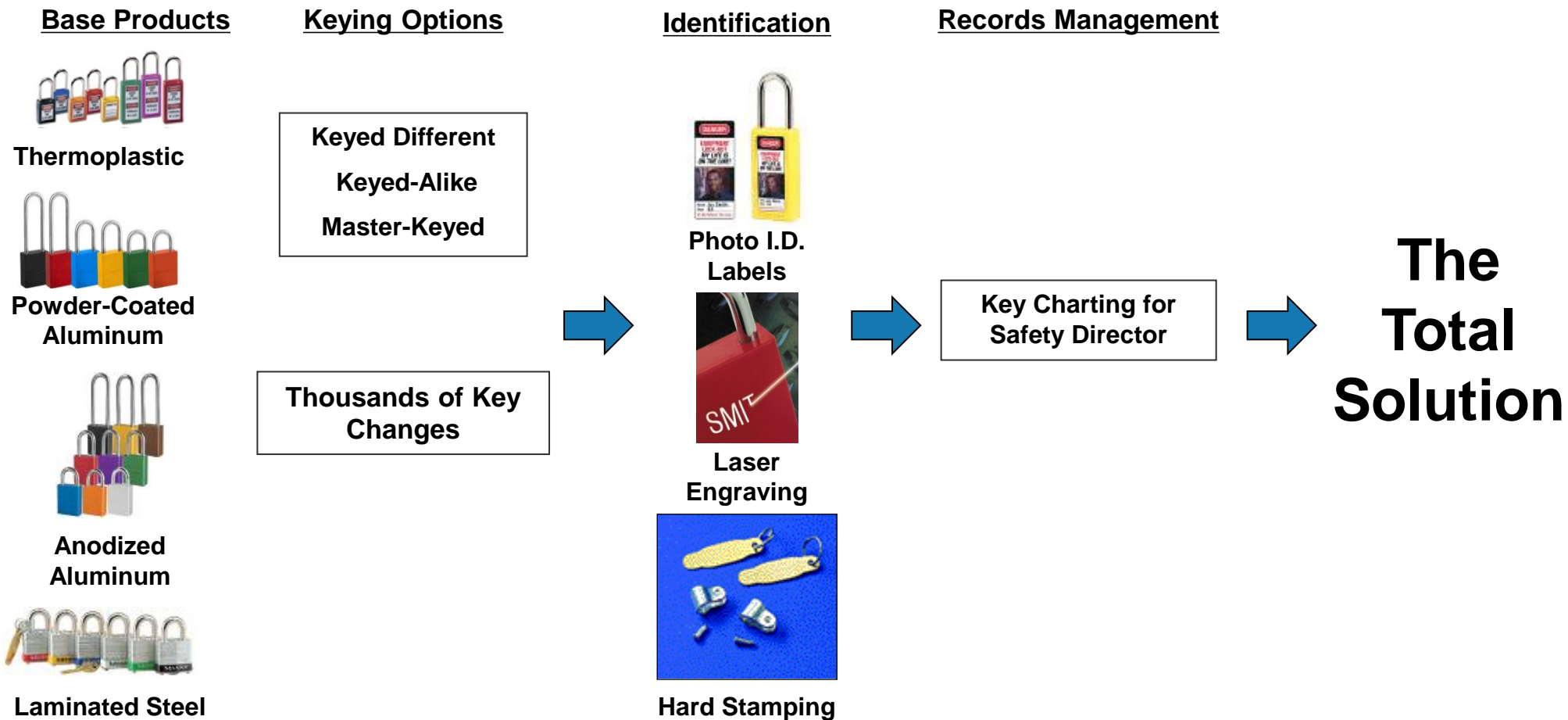
Keying

Customization and records management capabilities create a sustainable advantage within the marketplace



Keying

Customization and records management capabilities create a sustainable competitive advantage within the marketplace



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Safety Devices

We offer a full suite of safety lockout devices designed to address the diverse range of lockout requirements in the market



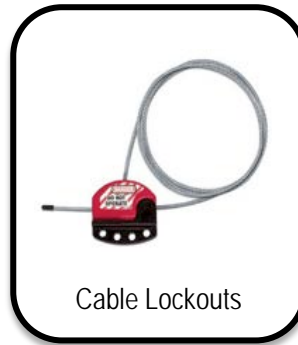
Hasps



Valve Lockouts



Electrical Lockouts



Cable Lockouts



Group Lock Boxes



Kits and Stations

- Lockout points come in many different forms and sizes since machinery designs vary
- OSHA requires devices to withstand usage environments which are often extreme
 - Temperature
 - Chemical
 - Dusty, dirty
- By testing solutions on-site, we can offer the best solution for the end user

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Safety Devices

The safety device portfolio was designed for universal fit with the capability to endure harsh environments

Feature	Benefit
Durable thermoplastic or steel designs	Resistant to temperature extremes and common industrial chemicals
Universal designs, adjustable	Products fit a wide variety of isolation point designs, “all in one” solutions
No tools required to apply devices	Easy application reduces downtime
Compact, space saving designs	Easily transport to lockout point and organize in toolbox



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Safety Devices

Safety lockout hasps attach to energy disconnect switches preventing the control from being turned on until the last worker's padlock is removed from the hasp

Master Lock Model No	Description	Inside Jaw Clearance
416	Spark Resistant Aluminum Hasp	1"
417	Spark Resistant Aluminum Hasp	1-1/2"
418	Heavy Duty Steel Hasp	1"
419	Heavy Duty Steel Hasp	3"
420	Steel Jaw Hasp with Vinyl Coated Handle	1"
421	Steel Jaw Hasp with Vinyl Coated Handle	1-1/2"
427	Labeled Snap-On Hasp available in 6 colors	1-3/4" x 2-1/8"
428	Nylon Non-Conductive Hasp	1" x 2-1/2"
429	Dual Jaw Aluminum Hasp	1" x -1/2"
ALO80	Tabbed Steel Jaw Hasp w/Vinyl Coated Handle	1"
ALO802	Tabbed Steel Jaw Hasp w/Vinyl Coated Handle	1-1/2"
S430	Steel Hasp with Red Plastic Handle	1"
S431	316 Stainless Steel Hasp	1"



Lockout hasps allow multiple employees to lockout a single isolation point

Multiple styles available: Spark resistant aluminum, pry-resistant steel, dielectric plastic, dual jaw aluminum

Safety Devices

Master Lock's rotating gate and gas valve lockouts surround operating handles to protect against accidental valve opening

- Each size rotates into itself to take up half the space to fit into tool boxes
- Each size nests within the next larger size to save space in storage
- Complete with write-on/re-usable safety identification labels
- Convenient hang hole allows it to be hung by the valve for use at anytime
- Patent-pending Master Lock design
- 480-485: Gate valve lockouts fit valve sizes from 1" to 13" valve handles
- S3910: Pressurized Gas Valve Lockout fits valve handles up to 3"



485

<u>Master Lock Model No</u>	<u>Description</u>	<u>Stem Opening</u>
480	1" to 3" diameter valve handles	3/4"
481	2" to 5" diameter valve handles	1-1/2"
482	4" to 6.5" diameter valve handles	2-1/2"
483	6" to 10" diameter valve handles	3-1/2"
484	8" to 13" diameter valve handles	4"
485	Nested set of 480-484	
S3910	Up to 3" diameter valve handles	1-5/8"

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Safety Devices

Master Lock ball valve lockout devices are easy to use and effectively lockout a variety of valve designs and sizes

- Easy to use – simple, intuitive designs
- Broad application
- Devices lock out ball valve sizes up to 4"
- Fit virtually all types of pipe including insulated, PVC and metal
- Lightweight and compact – easy to carry, store and apply even in tight spaces
- 468L: Patented innovative design eliminates the risk of valve reactivation with removal of the handle
- S3068: Clamps tight on handle stop to prevent handle movement
- S3081: Surrounds the valve handle and locks out with either a padlock or cable lockout device to ensure a secure fit



468L

<u>Master Lock Model No</u>	<u>Description</u>	<u>Valve Diameters</u>
S3068	Seal Tight Handle-On Lockout	1/4" to 4"
468L	Seal Tight Handle-Off Lockout	3/8" to 4"
S3081	Adjustable Ball Valve Lockout	1/2" to 1-3/4"



S3068



S3081

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Safety Devices

Master Lock Grip Tight circuit breaker lockouts offer the greatest pull strength combined with universal fit

- Secure and simple mounting with no tools required
 - Holds tight with simple thumb turn and clamping handle
- Exclusive design accommodates virtually all styles of breaker toggles
 - Model 491B fits tall and wide breaker toggles
 - Model 493B fits standard height and tie-bar toggles
- Narrow profile permits side by side breaker lockout
- Durable construction with powder coated steel and reinforced polymer allows operation in harsh environments
- Patented design



493B



491B



493B

<u>Master Lock Model No</u>	<u>Description</u>
491B	Circuit Breaker Lockout – larger, industrial breakers
493B	Circuit Breaker Lockout – smaller, residential breakers

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Safety Devices

Master Lock miniature circuit breaker lockouts are compatible with the majority of miniature ISO/DIN circuit breakers found throughout the world

- S2390 fits standard width toggle openings w/ "pin out" design
- S2391 fits wide toggle openings w/ "pin out" design
- S2392 fits breakers with "pin-in" design
- S2393 fits universal breaker toggles with all Master Lock and American Lock safety padlocks and lockout hasps



S2390

<u>Master Lock Model No</u>	<u>Description</u>
S2390	Fits pin-out breakers 11mm or less
S2391	Fits pin-out breakers 11mm to 13mm
S2392	Fits breakers with pin-in toggles
S2393	Fits universal breaker toggles



S2390



S2391



S2392



S2393

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Safety Devices

Master Lock offers innovative, easy to use devices for the effective lockout of electrical shut-off points including electrical plugs

Rotating Electrical Plug Lockouts

- Outward/Inward rotation allows for easier application and storage
- Surrounds the electrical plugs; protects against accidental reconnection
- Complete with high-visibility permanent safety labels (English, French, and Spanish). Labels can be written on to identify the responsible person, then erased for the next job
- Dielectric, thermoplastic bodies withstand chemicals and extreme temps.

Compact Plug Prong Lockout

- Compact design locks out the prongs of 110-120 volt plugs
- Fits two prong plugs with and without ground

<u>Master Lock Model No</u>	<u>Description</u>
487	2-1/4" diameter x 3-1/4" with cord diameter up to 3/4"
488	3" diameter x 6" with cord diameter up to 3/4"
S2005	Fits 110-120-volt plugs (with or without ground)



487



488



S2005

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Safety Devices

Electrical Covers address the need for temporarily prohibiting access to a switch or control



S2151

S2151 Removable Push Button Rotary Switch Covers

- Ideal for new installation or for retrofitting to existing switch panels
- Fits both 30.5mm and 22.5mm diameter switches
- Clear base and cover allow visibility of nameplates and labels
- Horse-shoe shaped retrofit base allows use with raised nameplates and off-center installation to accommodate rotary switch knobs
- Accommodates buttons up to 2" diameter and 1-3/4" tall

S2153 Installed Push Button and Rotary Switch Covers

- Fits both 30.5mm and 22.5mm diameter switches
- Clear base and cover allow visibility of nameplates and labels
- Accommodates buttons up to 1-9/16" diameter and 1-3/4" tall



S2153



S2152AST



S2154AST

<u>Master Lock Model No</u>	<u>Description</u>
S2151	Removable Button and Switch Cover
S2153	Installed Button and Switch Cover
S2152AST	Install Bases for S2151 Removable Cover
S2154AST	Retrofit Bases for S2151

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Safety Devices

Master Lock's electrical lockout product line also includes oversized plug and hoist control covers as well as wall switch covers



496B

Oversized Plug and Hoist Control Covers

- Effectively cover odd size and large electrical connectors and hoist controls
- The cinch sack offers broad application solutions
- Insert PVC tubing to block access to hoist control buttons
- Flexible and durable rip-stop nylon bag fits easily in safety tool boxes



453XXL



453XL



453L

Universal Wall Switch Covers

- Locks out both toggle and decora paddle wall switches
- Patented design assures switch is kept on or off
- Hinges open for unobstructed normal operation of switch
- Includes English/Spanish and English/French labels

<u>Master Lock Model No</u>	<u>Description</u>
453L	Large Nylon Oversized Plug and Control Cover
453XL	Extra Large Nylon Oversized Plug and Control Cover
453XXL	Extra Extra Large Nylon Oversized Plug and Control Cover
496B	Universal Wall Switch Cover

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Safety Devices

Master Lock's pneumatic and wheel lockouts offer innovative solutions to lockout virtually any pneumatic fitting or steering wheel



S3900



4716

Pneumatic Lockout

- Prevents pneumatic fitting from being connected to pressurized air source
- Stainless steel construction for corrosion resistance
- Compact design for easy carrying and storage
- Fits virtually all pneumatic fittings used in manufacturing facilities

Steering Wheel Covers

- Provides visual deterrent during vehicle maintenance
- Can be used on semi tractors, buses, forklifts, cars, and other motor vehicles
- Trilingual warning notifies employees not to start or move vehicle
- Available in three sizes for various situations

<u>Master Lock Model No</u>	<u>Description</u>
S3900	Stainless Steel Pneumatic Lockout
4716	16" Diameter Steering Wheel Cover
4720	20" Diameter Steering Wheel Cover
4724	24" Diameter Steering Wheel Cover

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Safety Devices

Master Lock's S806 cable lockout device offers an integrated safety hasp and cable ideal for multi-point lockout situations

- Infinitely adjustable for secure fit every time; cinches tight
- Integrated, 1-piece safety hasp and 6 ft. cable for ease-of-use
- Lightweight thermoplastic body withstands chemicals and performs effectively in extreme conditions
- Coated cable ideal for dual application – electrical & valves
- Accepts multiple padlocks and hasps with different shackle diameter
- Available with cables from 2 to 50 ft. in length
- Patent-pending



S806 attached to gate valve

<u>Master Lock Model No</u>	<u>Description</u>
S806	6' Adjustable cable lockout
S806CLB3	3' Adjustable cable lockout
S806CBL15	15' Adjustable cable lockout
S806CBLn	Adjustable cable lockout with user-specified cable length of 2' to 50'



S806

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Safety Devices

Group lock boxes capture keys for effective lockout of large equipment when multiple workers are performing equipment maintenance

- Latch Tight™ locking door ensures keys inside box are secure until the very last employees' personal safety padlock is removed
- 503RED or 503YLW can be portable or wall mounted
 - Offers organized key storage for up to 12 keys; accepts hundreds of keys for bulk storage
 - Lockout points for up to 14 padlocks or lockout hasps
- 498A is portable lock box
 - Lockout points for up to 12 padlocks or lockout hasps
- Durable steel construction with high quality powder coat finish exceeds ASTM grade 6 rating for corrosion resistance



498A



503YLW

<u>Master Lock Model No</u>	<u>Description</u>	<u>Dimensions H x L x W</u>
503RED	Dual Application Group Lock Box - Red	6" x 9-1/4" x 3-3/4"
503YLW	Dual Application Group Lock Box - Yellow	12-3/4" x 3-1/2" x 6-3/8"
498A	Portable Group Lock Box	12-3/4" x 3-1/2" x 6-3/8"

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Safety Devices

Master Lock lockout kits and pouches combine and organize commonly used electrical and valve lockout devices for individuals or groups of workers



1458VE410



1456E410



S1010E410



1457V410KA

<u>Master Lock Model No</u>	<u>Description</u>
S1010	Compact Lockout Pouch – Keyed Alike
1456	Personal Lockout Pouch – Keyed Alike
1457	Personal Lockout Kit – Keyed Alike
1458	Group Lockout Kit – Keyed Different

S1010 Compact Lockout Pouch

- Electrical Padlocks and Devices with choice of Thermoplastic, Aluminum or Steel Padlocks

1456 Personal Lockout Pouch

- Available in standard or electrical lockout focus versions with choice of Thermoplastic, Aluminum, or Steel Padlocks

1457 Personal Lockout Kit

- Safety lockout toolbox keeps important lockout devices and padlocks organized
- Available in electrical, valve or both lockout focus versions

1458 Group Lockout Kit

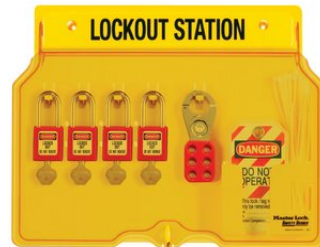
- Includes two modular storage compartments for effective grouping of padlocks and hasps, valve lockouts, and electrical lockout components

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Safety Devices

Master Lock padlock stations provide durable, user-friendly lockout locations for safety padlocks, tags and hasps



- Virtually indestructible, the strongest stations available
- Integrated, one-piece molded construction eliminates loose parts
- Reinforced snap-lock clips provide easy padlock and hasp storage and removal
 - Exclusive translucent cover protects contents
 - Cover can be locked with combination lock, keeping padlocks secure and clean
 - Innovative hinge holds cover open for easy product selection
- Available with your choice of Thermoplastic, Aluminum, or Steel padlocks in 4, 10, or 20 lock formats
- Bilingual Stations also available in English/Spanish and English/French
- Safety hasps and tags included

Master Lock Model No	Description
1482	4 Padlock Station
1483	10 Padlock Station
1484	20 Padlock Station

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Safety Devices

Our deluxe lockout stations offer the ultimate storage space for large facilities or multiple departmental use

- Ideal for organizing lockout devices, tags and padlocks
- Extremely durable construction ensures long life in your facility
- Cover can be locked with combination lock, keeping padlocks and devices secure and clean
- Lockout Stations available unfilled or filled with multiple component combinations
- Bilingual Stations are also available in English/Spanish and English/French
- Available with your choice of Thermoplastic, Aluminum, or Steel padlocks



S1900VE1106ES



S1900VE410



S1800

S1850E410

<u>Master Lock Model No</u>	<u>Description</u>
S1850	Lockout Station
S1800	Deluxe Tag Station
S1900	Deluxe Lockout Station (consists of one S1850 and one S1800)

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Safety Devices

Compact tag and lockout stations are ideal for positioning machine-specific lockout devices, tags and padlocks near the lockout point

Compact Lockout Stations

- Durable construction for years of use in corrosive environments
- Includes face labels in English, Spanish/English or French/English
- Available filled or unfilled

Compact Tag Stations

- Three hanger clips for safety padlocks or hasps
- Includes face labels in English, Spanish/English or French

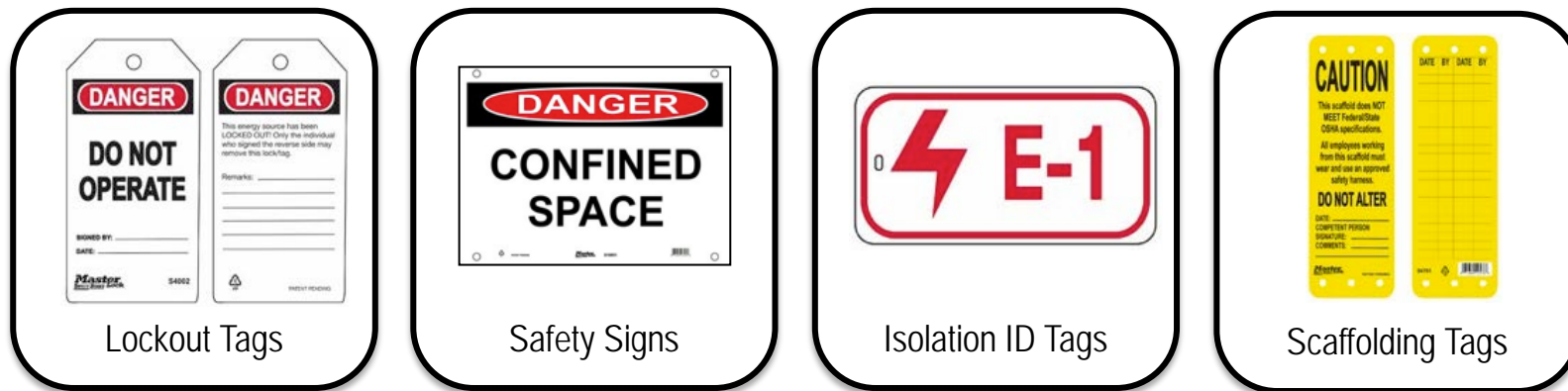
<u>Master Lock Model No</u>	<u>Description</u>
S1700	Unfilled Lockout Station
S1705	Station with padlock, hasp, and tags
S1720	Station with circuit breaker lockout focus
S1745	Station with electrical plug lockout focus
S1601	Unfilled Tag Station
S1601A	Includes 12 English tags
S1601AX	Includes 12 Spanish/English tags
S1601FRC	Includes 12 French/English tags



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The Guardian Extreme™ safety identification line offers the most durable solution in the market



- Ultra-durable signs and tags ensure message is visible for a lifetime
- In-mold graphics are permanently fused into rugged, industrial grade polypropylene
- Can be fully customized to meet unique facility identification needs
- Value proposition: High ROI by eliminating need to continually replace signs and tags

Guardian Extreme™

Several key features differentiate Guardian Extreme™ from competitive offerings

Feature	Benefit
In-mold graphics fused into Industrial polypropylene	No surface level graphic to peel, curl or de-laminate
Fully customizable	Add custom text, diagrams, images
Re-write, re-use	Add message with permanent marker, wipe with Isopropyl alcohol for re-use
QUV tested to 4000 hrs.	Signs and tags survive an equivalent of 10 yrs. outdoor exposure
Superior chemical resistance	Withstands over 30 harsh chemicals
Metal detectible option	Material can be detected on food processing line
Withstands 90 lbs. pull force	Exceeds OSHA min. of 50 lbs. pull force



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Field ID

Field ID's automated safety compliance management software now includes a lockout module

- Allows users to create custom lockout procedures and assign to authorized employees
- Step by step procedures are followed via mobile device or tablet
- Real-time data capture for audit trail purposes indicates when procedure was completed, where, and by whom
- RFID labels with bar codes can be added to procedure signs and isolation points for scanning during lockout procedure
 - Ensures user is in the correct location and locking out isolation points in the correct order

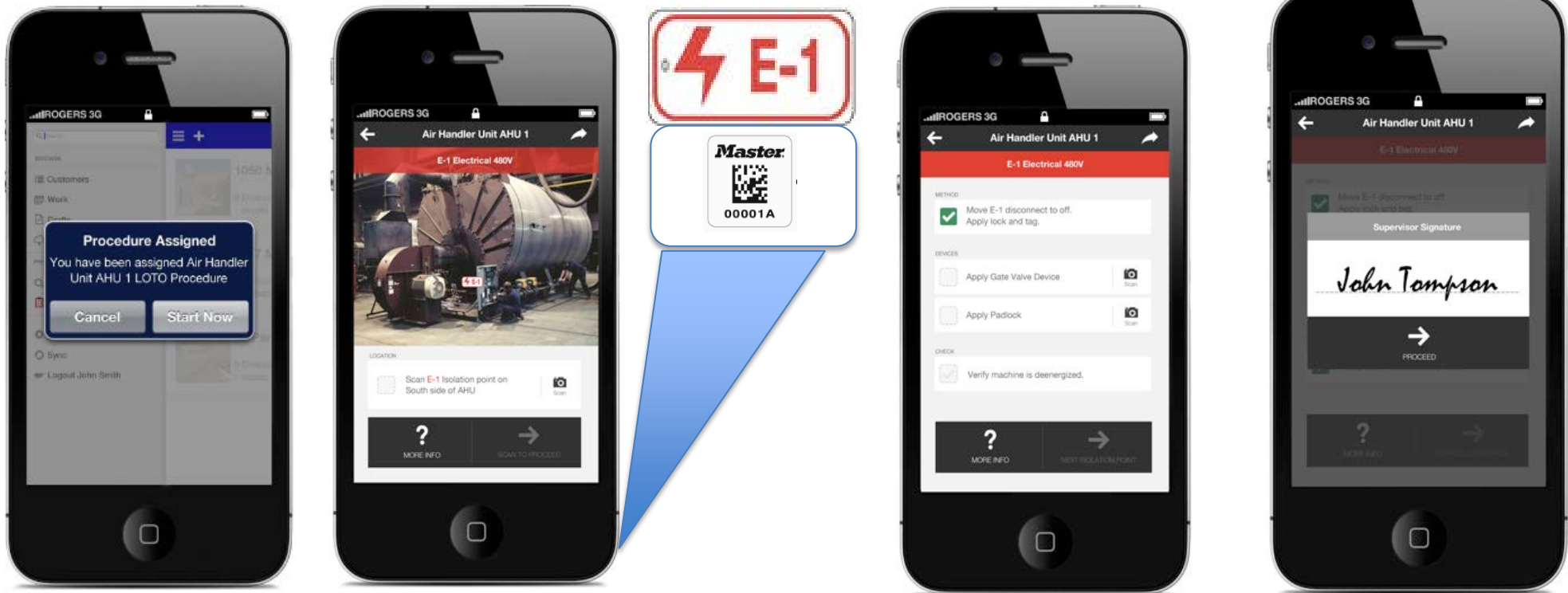


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Field ID

By utilizing RFID, Field ID ensures procedures are completed by the authorized employee in the correct order with the assigned equipment



Procedure is assigned to employee within Field ID. Authorized employee is notified

Authorized employee launches procedure and scans RFID tags at energy isolation points. Scan data stored for auditing

Procedure progresses to next steps and provides instructions for locking out location E-1.

Signature approval confirms authorized employee has accurately completed procedure

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**Master
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RECENT PRODUCT LAUNCHES

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AIRCRAFT LOCKOUT

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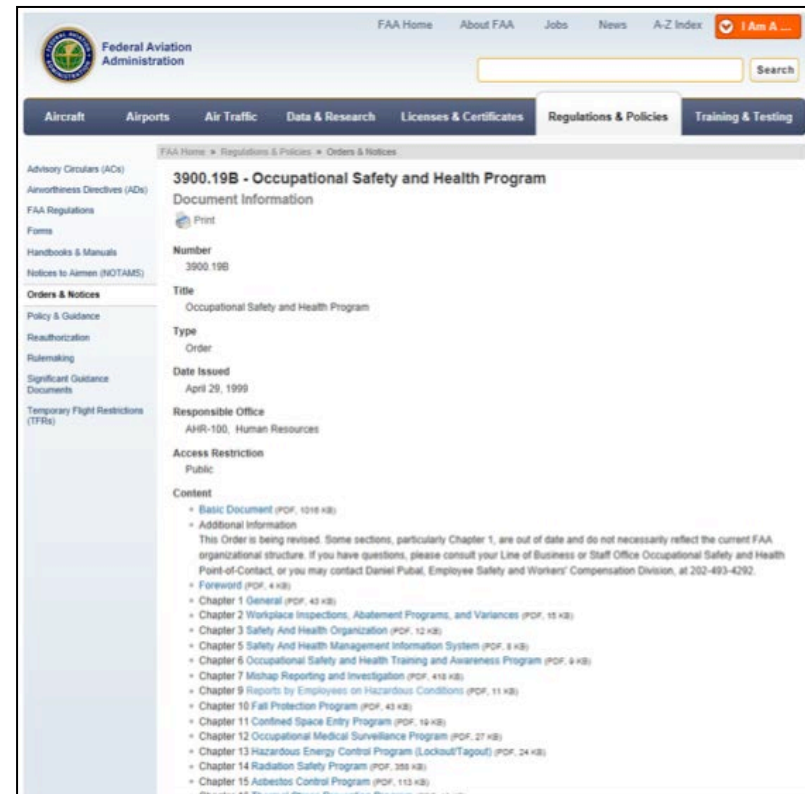
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Aircraft Lockout

The FAA has established an Occupational Safety and Health Program

- The FAA and OSHA are separate federal agencies, yet both focus on the safety of FAA employees
- The FAA has developed an Occupational Safety and Health Program (Order 3900.19B), which takes into account OSHA's standards



FAA's 3900.19B – Occupational Safety and Health Program on www.faa.gov

Aircraft Lockout

Lockout/Tagout is part of the FAA's Occupational Safety & Health Program

- Chapter 13 of Order 3900.19B focuses on a facility's Hazardous Energy Control Program (Lockout/Tagout)
- Requires lockout/tagout to be used to control hazardous energy during installation, servicing, modification, and maintenance work

4/29/99

3900.19B

CHAPTER 13. HAZARDOUS ENERGY CONTROL PROGRAM (LOCKOUT/TAGOUT)

1300. GENERAL. This chapter establishes FAA policy and minimum requirements for locking out and/or tagging out sources of energy to equipment or systems under the requirements of the U.S. Department of Labor, Occupational Safety and Health Administration's (OSHA) *Control Of Hazardous Energy (Lockout/Tagout)* Standard, 29 CFR 1910.147. The FAA Hazardous Energy Control (Lockout/Tagout) Program shall be used to control hazardous energy during installation, servicing, modification, and maintenance work. Following the practices in this chapter will help prevent injuries and property damage due to unexpected energization, startup, release of stored energy, and sudden movement of equipment components.

1301. SCOPE. This chapter applies to all FAA personnel. This includes, but is not limited to, employees involved in design, acquisition, installation, modification, alteration, maintenance, and service work on machines, equipment, and systems. FAA contractors and subcontractors must comply with the requirements of this chapter.

1302. POLICY. It is the policy of the FAA that before any employee performs any servicing, modification, alteration, or maintenance on a machine or equipment where the unexpected energizing, startup, or release of stored energy could occur and cause injury, the machine or equipment shall be isolated and rendered inoperative through the use of a lockout device whenever the machinery or equipment is capable of being locked out. If an energy-isolating device is not capable of being locked out, a tagout procedure consistent with the requirements of this chapter shall be utilized that provides full employee protection equivalent to that of a lockout procedure. Lockout/tagout shall only be performed by authorized employees. All new equipment designed, ordered, and installed and any replacement or major repair, modification, alteration, or renovation to existing machines or equipment must be equipped with the capacity for lockout.

1303. DEFINITIONS.

a. **Affected employee.** An FAA employee whose job requires him/her to operate or use a machine or equipment on which servicing or maintenance is being performed under lockout or tagout, or whose job requires him/her to work in an area in which such servicing or maintenance is being performed. Affected employees who are not directly involved in but are present during maintenance or service activities shall be verbally notified of lockout/tagout procedures and their significance.

b. **Authorized employee.** An FAA employee who locks out or tags out machines or equipment to perform servicing, modification, alteration, or maintenance on that machine or equipment. An affected employee becomes an authorized employee when that employee's duties include performing servicing or maintenance as defined in paragraph 1303k. In general, all technicians, mechanics, aircraft maintenance technicians, aerospace engineering technicians, etc., or any persons authorized to service and/or certify equipment may be authorized employees.

c. **Capable of being locked out.** An energy-isolating device is capable of being locked out if it has a device, hasp, or other means of attachment to which or through which, a lock can be affixed, or it has a locking mechanism built into it. Other energy-isolating devices are capable of being locked out if lockout can be achieved without the need to dismantle, rebuild, or replace the energy-isolating device or permanently alter its energy control capability.

d. **Energized.** Connected to an energy source or containing residual or stored energy.

Chapter 13. Hazardous Energy Control Program (Lockout/Tagout)

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Aircraft Lockout

New lockout devices are available designed specifically for aircraft



S2029 Aircraft Power Receptacle Lockout



S2329 Aircraft Circuit Breaker Lockout



S4529 Aircraft Lockout Tag



S1029E410 Compact Aircraft Lockout Kit (S1029E406 also available)



S1030E410 Large Aircraft Lockout Kit (S1030E406 also available)

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Aircraft Lockout

The Aircraft Power Receptacle Lockout addresses ground power connection

- Easily and securely tightens around the power receptacle prongs to prevent ground power plug insertion
- Universally fits on both 3- and 6-prong power receptacles
- Durable, lightweight thermoplastic withstands chemicals and performs effectively in extreme conditions
- Locking hole is compatible with all safety padlocks as well as the S4529 Aircraft Lockout Tag



S2029 Aircraft Power Receptacle Lockout

Master Lock Model No	Description
S2029	Aircraft Power Receptacle Lockout

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Aircraft Lockout

The aircraft circuit breaker lockout addresses local electrical power

- Compact, easy-to-use design effectively locks out aircraft circuit breakers
- Universally fits long or short push/pull circuit breakers, with or without collars
- Locking hole is compatible with all safety padlocks as well as the S4529 Aircraft Lockout Tag
- Packaged with worker identification label (three languages)



S2329 Aircraft Circuit Breaker Lockout

Master Lock Model No	Description
S2329	Aircraft Circuit Breaker Lockout

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Aircraft Lockout

The aircraft lockout tag offers convenient worker identification

- Clearly displays Danger-Do Not Operate lockout message
- Worker name and date can be written, wiped clean, and re-used
- 3" x 1.5" (76mm x 38mm) polypropylene tag
- One unit consists of 6 aircraft lockout tags and 18 zip ties



S4529 Aircraft Lockout Tag

<u>Master Lock Model No</u>	<u>Description</u>
S4529	Aircraft Lockout Tag

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Aircraft Lockout

The Compact Aircraft Lockout Kits provide product assortments for smaller facilities

- Ideal assortment for smaller maintenance crews (up to 6 workers)
- Compact pouch with Velcro® straps
- Kit contains:
 - 6 – safety padlocks
 - 1 – power receptacle lockout
 - 6 – circuit breaker lockouts
 - 1 – bag of 6 aircraft lockout tags and 18 zip ties



S1029E410 Compact Aircraft Lockout Kit
(S1029E406 also available)

<u>Master Lock Model No</u>	<u>Description</u>
S1029E410	Compact Aircraft Safety Lockout Kit with 6 Thermoplastic Padlocks
S1029E406	Compact Aircraft Safety Lockout Kit with 6 Dielectric Safety Padlocks

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Aircraft Lockout

The Large Aircraft Lockout Kits provide product assortments for larger facilities

- Ideal assortment for larger maintenance crews (up to 12 workers)
- Zipper pouch with built-in belt
- Kit contains:
 - 12 – safety padlocks
 - 1 – power receptacle lockout
 - 12 – circuit breaker lockouts
 - 2 – bags of 6 tags and 18 zip ties



S1030E410 Large Aircraft Lockout Kit
(S1030E406 also available)

<u>Master Lock Model No</u>	<u>Description</u>
S1030E410	Large Aircraft Safety Lockout Kit with 12 Thermoplastic Safety Padlocks
S1030E406	Large Aircraft Safety Lockout Kit with 12 Dielectric Safety Padlocks

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LAMINATED PHOTO ID TAGS

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Laminated Photo ID Tags

“Do Not Operate” self laminating photo ID tags provide a visual representation of the authorized employee

- Durable Polypropylene with PVC laminate overlay resists water, grease, extreme temperatures, and common industrial chemicals
- Heavy-duty construction withstands over 50lbs of pullout force (meets OSHA requirement)
- Available in English, Spanish, French, and bi-lingual versions
- Customize with worker name, department, and photo for employee identification
- 7/16" diameter brass grommet accepts all safety padlocks



S4801

<u>Master Lock Model No</u>	<u>Description</u>
S4801	English, 1 bag of 12 tags and 12 ties
S4801LESLEN	English/Spanish, 1 bag of 12 tags and 12 ties
S4801LFRLEN	English/French, 1 bag of 12 tags and 12 ties
S4800LEN	English w/European Danger, 1 bag of 12 tags and 12 ties
S4800LES	Spanish w/European Danger, 1 bag of 12 tags and 12 ties
S4800LFR	French w/European Danger, 1 bag of 12 tags and 12 ties
S4802LEN	English w/European U.K. Prohibition, 1 bag of 12 tags and 12 ties



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THANK YOU

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