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Castell

The Future of Safety is Here

# Iso-lok

## SAFETY LOCKOUT EQUIPMENT FOR PERSONNEL PROTECTION

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## Help is at hand

If you need more information about Castell products, or if you need to discuss a particular application or procedure implementation, we are here to help.

We will be happy to visit your works. Our area engineers hold the NEBOSH* General Certificate and can provide advice on how to meet the basic requirements of health and safety legislation and best practice.

The service is free and you are under no obligation.

*The National Examination Board of Occupational Safety & Health.

Castell Safety International Ltd is a member of the British Safety Council.

Member BRITISH SAFETY COUNCIL

## About Castell

Castell was founded in 1922 by James Harry Castell who invented the trapped key interlock. Castell products are recognised around the world for providing machine safety.

Castell is a wholly owned subsidiary of Halma plc.

Castell are manufacturers of the following products:

**Castell**
Trapped Key Interlocks

**Salvo**
Loading Bay Safety

**Mistura**
Trapped Key Interlocks

**QuadCam**
3D Machine Safety

## Buy Online

The entire range of Castell Lockout Tagout products is now available online. Check before placing your order for special offers.

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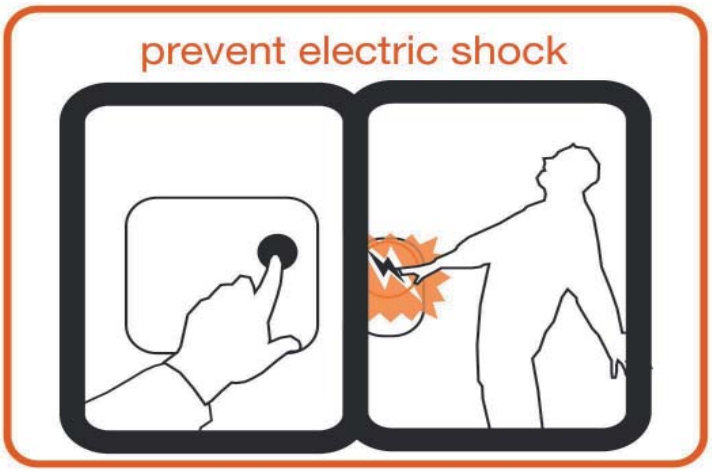
These illustrations show two seperate accidents that could have been prevented using Lockout tagout equipment.

In the first incident, a maintenance worker has failed to lock-off the supply valve to the tank that he is cleaning.

Now the tank has flooded with water and he has drowned.




In the second incident, the worker has been electrocuted because he has failed to lock-off the power switch to the circuit he is working on.

Health and Safety legislation places a duty on all workers to check that the equipment they are working on is correctly isolated.

## Don't forget the 5 basic steps of Risk Assessment

### Step 1
Identify the hazards.

### Step 2
Identify who might be harmed and how.

### Step 3
Evaluate the risks and decide on precautions.

### Step 4
Record your findings and implement them.

### Step 5
Review your assessment and update if necessary.



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Section 1 - Padlocks

Section 2 - Multi-Clasps

Section 3 - Valve Lockouts

Section 4 - Connection Lockouts

Section 5 - Key & Document Storage

Section 6 - Lockout Stations

Section 7 - Signs, Labels & Tags

Section 8 - Special Items

Section 9 - Brady Products



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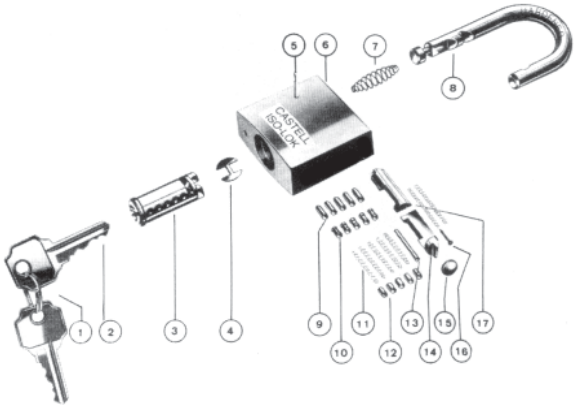
# Padlock Specification

## Numbering to 'Differ'

When required, Iso-Lok guarantee that individual padlocks 'differ'. Using a simple system of numbering padlock body and keys and recording these numbers against each customer record we can avoid using the same numbers on subsequent orders. If, for security reasons you don't wish the locking mechanism number to appear we can still apply the same system for you.



| | | | | | |
|---|---|---|---|---|---|
| 1 | Key Ring | 7 | Shackle Spring | 13 | Plug Retainer |
| 2 | Key | 8 | Shackle | 14 | Bolts |
| 3 | Plug | 9 | Pins | 15 | Bolt Hole Plug |
| 4 | Brass Protection Plate | 10 | Mushroom Tumblers | 16 | Guide for bolt springs |
| 5 | Shackle Retainer | 11 | Tumbler Springs | 17 | Bolt Springs |
| 6 | Case | 12 | Pin Hole Plugs | | |

Using the same procedure and in addition to supplying padlocks to 'differ' we supply:

- Padlocks all 'keyed alike' (to pass).
- Master keyed (mastered and differed).
- Padlocks with chain attached.
- Padlocks engraved.
- Padlocks colour coded.

This registration of numbers enables us to quickly identify locking mechanisms previously supplied if duplications are required at a later date.

Iso-Lok Keying Options:

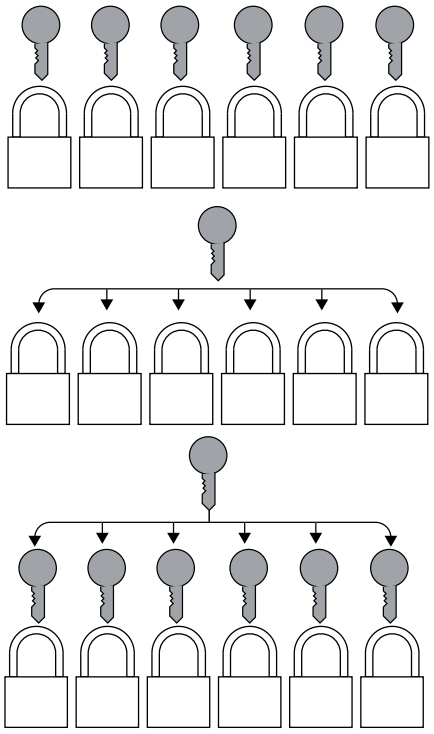
Iso-Lok offers three basic keying options. Use the following guide to select the key system which best suits your Permit to Work requirements.

Padlocks to DIFFER.
Each padlock has a unique locking mechanism and its own key. One person cannot open another persons padlock.
50,000 DIFFERS available.

Padlocks KEYED ALIKE.
Each padlock is supplied with the same locking mechanism. One key will open any lock in the set.

Padlocks MASTER & DIFFER.
Each padlock has a unique locking mechanism and its own key. The additional master key will override any padlock in the set.
100 Suites of 1000 locks are available.

All Castell padlocks are supplied with 2 keys as standard. Additional keys available.





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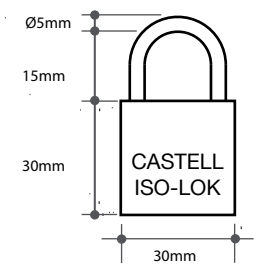
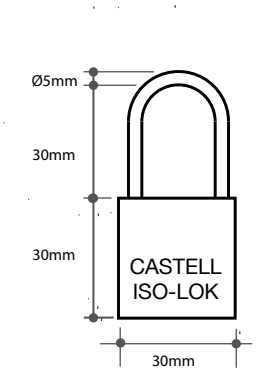
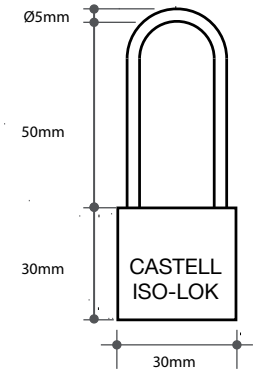
# 30mm Brass Bodied Padlocks

| Body Size (mm) | Shackle Material | Shackle Height (mm) | Key System | Part No. |
|---|---|---|---|---|
| 30 | Brass | 15 | Differ | B3B-15KD |
| 30 | Brass | 15 | Alike | B3B-15KA |
| 30 | Brass | 15 | Master Differ | B3B-15MD |
| 30 | Steel | 15 | Differ | B3S-15KD |
| 30 | Steel | 15 | Alike | B3S-15KA |
| 30 | Steel | 15 | Master Differ | B3S-15MD |
| 30 | Brass | 30 | Differ | B3B-30KD |
| 30 | Brass | 30 | Alike | B3B-30KA |
| 30 | Brass | 30 | Master Differ | B3B-30MD |
| 30 | Steel | 30 | Differ | B3S-30KD |
| 30 | Steel | 30 | Alike | B3S-30KA |
| 30 | Steel | 30 | Master Differ | B3S-30MD |
| 30 | Brass | 50 | Differ | B3B-50KD |
| 30 | Brass | 50 | Alike | B3B-50KA |
| 30 | Brass | 50 | Master Differ | B3B-50MD |
| 30 | Steel | 50 | Differ | B3S-50KD |
| 30 | Steel | 50 | Alike | B3S-50KA |
| 30 | Steel | 50 | Master Differ | B3S-50MD |

| Part No. | Description |
|---|---|
| A010013 | Spare Padlock Key |
| A010014 | Master Key |



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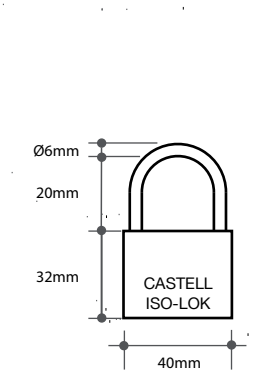
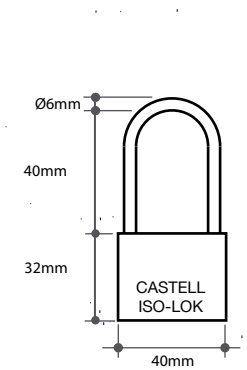
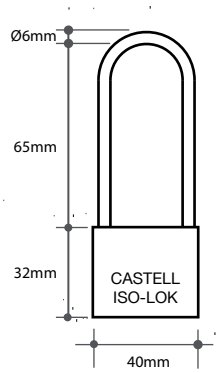
# 40mm Brass Bodied Padlocks

| Body Size (mm) | Shackle Material | Shackle Height (mm) | Key System | Part No. |
|---|---|---|---|---|
| 40 | Brass | 20 | Differ | B4B-20KD |
| 40 | Brass | 20 | Alike | B4B-20KA |
| 40 | Brass | 20 | Master Differ | B4B-20MD |
| 40 | Steel | 20 | Differ | B4S-20KD |
| 40 | Steel | 20 | Alike | B4S-20KA |
| 40 | Steel | 20 | Master Differ | B4S-20MD |
| 40 | Brass | 40 | Differ | B4B-40KD |
| 40 | Brass | 40 | Alike | B4B-40KA |
| 40 | Brass | 40 | Master Differ | B4B-40MD |
| 40 | Steel | 40 | Differ | B4S-40KD |
| 40 | Steel | 40 | Alike | B4S-40KA |
| 40 | Steel | 40 | Master Differ | B4S-40MD |
| 40 | Brass | 65 | Differ | B4B-65KD |
| 40 | Brass | 65 | Alike | B4B-65KA |
| 40 | Brass | 65 | Master Differ | B4B-65MD |
| 40 | Steel | 65 | Differ | B4S-65KD |
| 40 | Steel | 65 | Alike | B4S-65KA |
| 40 | Steel | 65 | Master Differ | B4S-65MD |

| Part No. | Description |
|---|---|
| A010013 | Spare Padlock Key |
| A010014 | Master Key |



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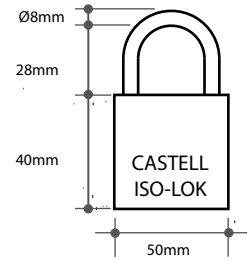
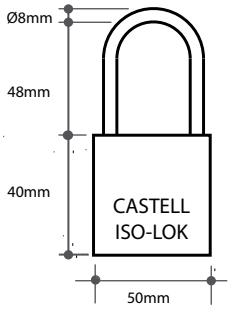
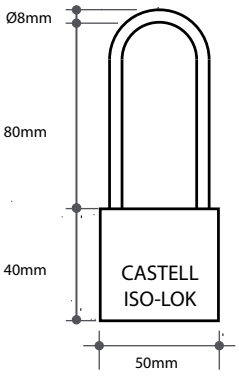
# 50mm Brass Bodied Padlocks

| Body Size (mm) | Shackle Material | Shackle Height (mm) | Key System | Part No. |
|---|---|---|---|---|
| 50 | Brass | 28 | Differ | B5B-28KD |
| 50 | Brass | 28 | Alike | B5B-28KA |
| 50 | Brass | 28 | Master Differ | B5B-28MD |
| 50 | Steel | 28 | Differ | B5S-28KD |
| 50 | Steel | 28 | Alike | B5S-28KA |
| 50 | Steel | 28 | Master Differ | B5S-28MD |
| 50 | Brass | 48 | Differ | B5B-48KD |
| 50 | Brass | 48 | Alike | B5B-48KA |
| 50 | Brass | 48 | Master Differ | B5B-48MD |
| 50 | Steel | 48 | Differ | B5S-48KD |
| 50 | Steel | 48 | Alike | B5S-48KA |
| 50 | Steel | 48 | Master Differ | B5S-48MD |
| 50 | Brass | 80 | Differ | B5B-80KD |
| 50 | Brass | 80 | Alike | B5B-80KA |
| 50 | Brass | 80 | Master Differ | B5B-80MD |
| 50 | Steel | 80 | Differ | B5S-80KD |
| 50 | Steel | 80 | Alike | B5S-80KA |
| 50 | Steel | 80 | Master Differ | B5S-80MD |

| Part No. | Description |
|---|---|
| A010013 | Spare Padlock Key |
| A010014 | Master Key |



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# Speciality Padlocks

## 30mm Stainless Steel Padlocks

### 100% Stainless Steel Padlocks

The worlds' first 100% Stainless Steel Padlock. Ideal for use where there is a high possibility of corrosion or high levels of hygiene, e.g. marine, chemical, pharmaceutical works and food processing environments.

| Body Size (mm) | Material | Shackle Height | Key System | Part No. |
|---|---|---|---|---|
| 30 | 100% Stainless | 20mm | Differ | S3S-20KD |
| 30 | 100% Stainless | 50mm | Differ | S3S-50KD |

## Corrosion Resistant Padlocks

### Corrosion Resistant Padlocks

In hostile working environments where corrosive precipitation or splashback can occur, additional material resistance is required. The nickel plated brass padlocks provide far improved longevity. Available in 30, 40 or 50mm bodies with a variety of shackle heights. Key number records are not maintained for this product range.

| Body Size (mm) | Material | Shackle Height (mm) | Key System | Part No. |
|---|---|---|---|---|
| 30 | Nickel Plated Brass | 15 | Differ | N3S-15KD |
| 40 | Nickel Plated Brass | 20 | Differ | N4S-20KD |
| 50 | Nickel Plated Brass | 28 | Differ | N5S-28KD |
| | | | | |
| 30 | Nickel Plated Brass | 30 | Differ | N3S-30KD |
| 40 | Nickel Plated Brass | 40 | Differ | N4S-40KD |
| 50 | Nickel Plated Brass | 48 | Differ | N5S-48KD |



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## Padlocks with chains

Any Castell padlock can be supplied with **stainless steel** chain attached. Check the table below to see length options.

| Part No. | Description | Material |
|---|---|---|
| SS3 | 3” Chain | Stainless Steel |
| SS6 | 6” Chain | Stainless Steel |
| SS9 | 9” Chain | Stainless Steel |
| SS12 | 12” Chain | Stainless Steel |
| SS24 | 24” Chain | Stainless Steel |
| SS36 | 36” Chain | Stainless Steel |
| S000754 | Open End Link | Stainless Steel |

## Padlock Engraving

Castell provides an engraving service for all its products including padlocks, multi-clasps and danger boards. Simply use the table below to estimate the cost of adding letters and numbers to your products.

| Part No. | No. of Characters |
|---|---|
| ENG1 | 1 Character |
| ENG2 | 2 - 5 Characters |
| ENG3 | 6 - 10 Characters |
| ENG4 | 11 - 15 Characters |
| ENG5 | 16+ Characters |
| P00010 | Padlock Painting |

Use a Danger Board to visually reinforce your safety message. Supplied displaying a standard warning, Danger Boards have space for additional information, such as Name, Department, and Clock Number. Additional marking, priced on request.

‘Mug-Shot’ Danger Boards are also available, providing a visual image of the person who is carrying out the isolation work.

| Part No. | Description |
|---|---|
| 700001 | Danger Board 6” x 3” (150mm x 76mm) |
| 700003 | Danger Board c/w 3” Stainless Steel Chain |
| 700004 | Danger Board - Photo Board |

## Padlock Colour Coding

A variety of colours are available for colour coding the body of the padlock, or infilling the engraved text.



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# Locking Off Systems

## Multi-Clasps

Locking-off systems make an important contribution to the health and safety of workers in accordance with the Health and Safety at Work Act 1974, in addition the Electricity at Work Regulation 1989. They prevent the inadvertent use of dangerous plant and equipment.

Uses:
To prevent access to electrical installations or valves while power is switched off. They can also be used in the 'Locked Set' position.

Mechanism:
The Multi-Clasp is attached to the relevant anchor point so that each operative can insert his own personalised padlock which is then locked. To restore access to the prime mover, all padlocks must be removed.

## Chain Clasps

To prevent the operation of valves, they can lock the valve in the OPEN, CLOSED or any midpoint position.

Mechanism:

The Valve-Lok chain is threaded through the handwheel and around an anchor point. Once secured in place each operator can insert his own personalised padlock which is then locked. To resume operation, all padlocks must be removed.



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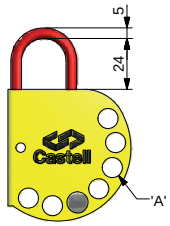
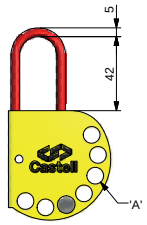
## Standard Multi-Clasps (24mm Shackle)

| Image | Part No. | Description | Surface Finish | 'A' (mm) |
|---|---|---|---|---|
|  | 216200 | Standard Multi-Clasp | PPC* | Ø6.7 |
| | 236200 | Standard Multi-Clasp | PPC* | Ø9.5 |
| | 216010 | Hi-Quality Multi-Clasp | Stainless Steel | Ø9.5 |

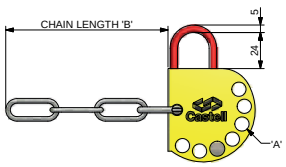


## Standard Multi-Clasps (42mm Shackle)

| Image | Part No. | Description | Surface Finish | 'A' (mm) |
|---|---|---|---|---|
|  | 216300 | Standard Multi-Clasp | PPC* | Ø6.7 |
| | 236300 | Standard Multi-Clasp | PPC* | Ø9.5 |
| | 216011 | Hi-Quality Multi-Clasp | Stainless Steel | Ø9.5 |



## Chain Clasps - 24mm Shackle

| Image | Part No. | Description | Surface Finish | 'A' (mm) | Chain Length 'B' |
|---|---|---|---|---|---|
|  | 216210 | Chain Multi-Clasp | PPC* | Ø6.7 | 3" |
| | 216220 | Chain Multi-Clasp | PPC* | Ø6.7 | 12" |
| | 216230 | Chain Multi-Clasp | PPC* | Ø6.7 | 24" |
| | 216240 | Chain Multi-Clasp | PPC* | Ø6.7 | 36" |
| | 216250 | Chain Multi-Clasp | PPC* | Ø6.7 | 48" |
| | 216260 | Chain Multi-Clasp | PPC* | Ø6.7 | 72" |
| | 236210 | Chain Multi-Clasp | PPC* | Ø9.5 | 3" |
| | 236220 | Chain Multi-Clasp | PPC* | Ø9.5 | 12" |
| | 236230 | Chain Multi-Clasp | PPC* | Ø9.5 | 24" |
| | 236240 | Chain Multi-Clasp | PPC* | Ø9.5 | 36" |
| | 236250 | Chain Multi-Clasp | PPC* | Ø9.5 | 48" |
| | 236260 | Chain Multi-Clasp | PPC* | Ø9.5 | 72" |



*Polyester Powder Coated



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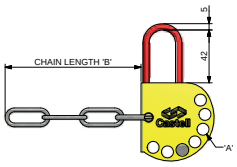
# Multi-Clasps

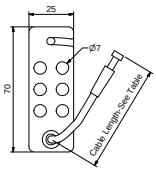
## Chain Clasps (42mm Shackle)

| Image | Part No. | Description | Surface Finish | Padlock Hole Size 'A' (mm) | Chain Length |
|---|---|---|---|---|---|
|  | 216310 | Chain Multi-Clasp | PPC* | Ø6.7 | 3" |
| | 216320 | Chain Multi-Clasp | PPC* | Ø6.7 | 12" |
| | 216330 | Chain Multi-Clasp | PPC* | Ø6.7 | 24" |
| | 216340 | Chain Multi-Clasp | PPC* | Ø6.7 | 36" |
| | 216350 | Chain Multi-Clasp | PPC* | Ø6.7 | 48" |
| | 216360 | Chain Multi-Clasp | PPC* | Ø6.7 | 72" |
| | 236310 | Chain Multi-Clasp | PPC* | Ø9.5 | 3" |
| | 236320 | Chain Multi-Clasp | PPC* | Ø9.5 | 12" |
| | 236330 | Chain Multi-Clasp | PPC* | Ø9.5 | 24" |
| | 236340 | Chain Multi-Clasp | PPC* | Ø9.5 | 36" |
| | 236350 | Chain Multi-Clasp | PPC* | Ø9.5 | 48" |
| | 236360 | Chain Multi-Clasp | PPC* | Ø9.5 | 72" |



*Polyester Powder Coated

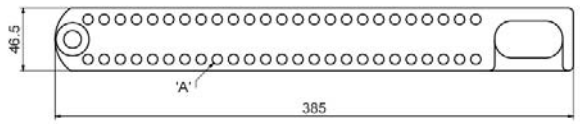
## Cable Scissor Clasp

| Image | Part No. | Description | Surface Finish | Padlock Hole Size 'A' (mm) | Cable Length |
|---|---|---|---|---|---|
|  | 221220 | Cable Scissor Clasp | Nickel Plated | Ø7 | 12" |
| | 221230 | Cable Scissor Clasp | Nickel Plated | Ø7 | 24" |



## Mega-Clasp

| Part No. | Description | Surface Finish | Padlock Hole Size 'A' (mm) |
|---|---|---|---|
| 251003 | MEGA Scissor Clasp 50 padlock holes | Polyester Powder Coated | Ø7.5 |



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# Iso-Valve® Valve Lockouts

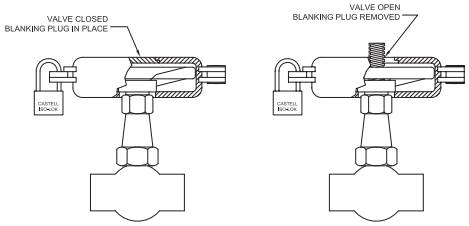
To lock your wheel operated valves in the OPEN and CLOSED positions. Castell introduce Iso-Valve®. A new design of valve handwheel lockout.

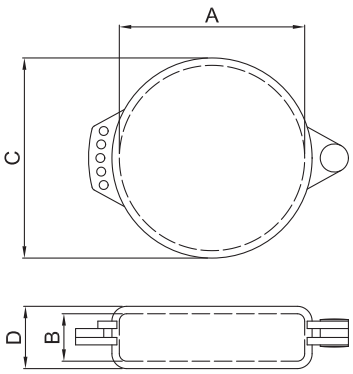
Iso-Valve® is suitable for all valve handwheel diameters from 25mm (1") to 350mm (14"). The two halves of the lockout hinge open on one side to all easy fitting over the wheel of the valves. When fitted, the valve handwheel is completely encapsulated within the lockout.

Additional features:

- Improved design hinge which is resistant to tampering.
- Additional padlock holes.
- Removable valve stem plug. No cutting is required to accommodate the valve stem in the OPEN position.
- Dielectric Properties (non-conducting).
- Resistant to Solvents.
- Non Cracking.
- Suitable for use with Iso-lok padlocks and multi-clasps.

Colours available




| Inside Dia. A | Inside Depth B | Outside Dia. C | Outside Depth D |
|---|---|---|---|
| 70mm | 32mm | 76mm | 38mm |
| 130mm | 34mm | 140mm | 44mm |
| 170mm | 41mm | 177mm | 50mm |
| 257mm | 50mm | 267mm | 63mm |
| 355mm | 63mm | 368mm | 74mm |

## Wheel Operated Valve Lockouts

| Size | Colour | Part No. | Colour | Part No. | Colour | Part No. | Colour | Part No. |
|---|---|---|---|---|---|---|---|---|
| 25mm - 65mm | Blue | 311100 | Green | 311200 | Red | 311300 | Yellow | 311400 |
| 65mm - 125mm | Blue | 312100 | Green | 312200 | Red | 312300 | Yellow | 312400 |
| 125mm - 160mm | Blue | 313100 | Green | 313200 | Red | 313300 | Yellow | 313400 |
| 160mm - 250mm | Blue | 314100 | Green | 314200 | Red | 314300 | Yellow | 314400 |
| 250mm - 325mm | Blue | 315100 | Green | 315200 | Red | 315300 | Yellow | 315400 |



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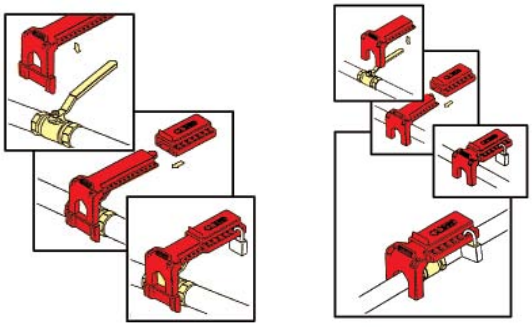
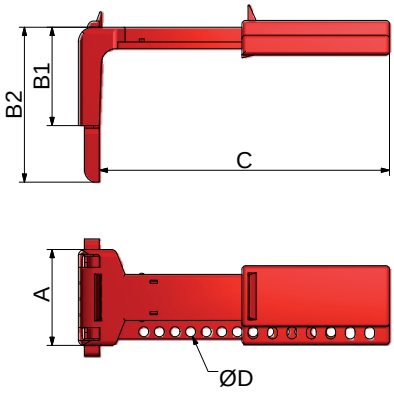
# Valve Lockouts

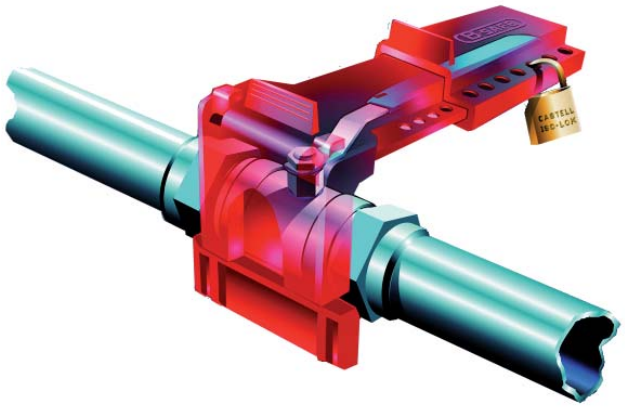
## Ball Valve Lockout

This valve lockout can lock the valve in the OPEN and CLOSED positions.

- Made from strong polypro plastic.
- Fully dielectric (non conducting).
- Highly resistant to solvent and other chemical products.
- Resistant to cracking and abrasion.
- Resistant to extreme temperature range. (Minimum -50°F to +360°F)

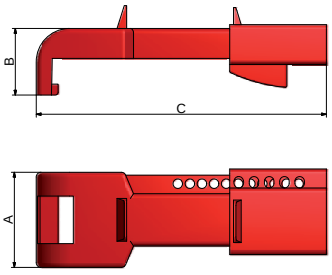


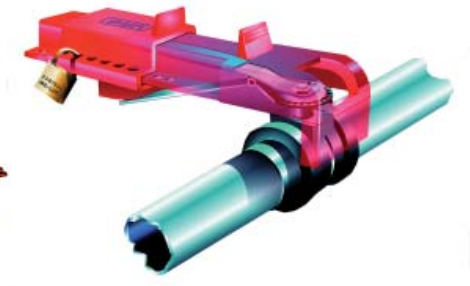


| Part No. | Size/Type | Width A | Height B1 | Height B2 | Length C | Padlock Hole D |
|---|---|---|---|---|---|---|
| BS01 | Ball Valves from 3/8" - 1" Dia. | 80mm | 82mm | 125mm | 135 - 190mm | 8mm |
| BS02 | Ball Valves from 1" - 2" | 80mm | 82mm | 125mm | 190 - 250mm | 8mm |
| BS03 | Ball Valves from 2" - 8" (lock closed only) | 100mm | 180mm | N/A | 280mm | 8mm |

## Butterfly Valve Lockout





| Part No. | Size/Type | Width A | Height B1 | Height B2 | Length C | Padlock Hole D |
|---|---|---|---|---|---|---|
| BS04 | Butterfly Valve | 102mm | 70mm | N/A | 305mm | 9.8mm |



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# Circuit Breaker Lockouts

## Miniature Circuit Breaker Lockout

- A safe and effective method for locking out low voltage circuit breakers.
- Four different versions, will fit most types of European Circuit Breakers. No tools are required to install.
- Available for single and multi-pole breakers.
- Recommended to lock with Castell safety isolation padlock.
- The lockouts can take padlocks with a shackle diameter up to 7mm.
- Strong glass-filled nylon construction.

| Part No. | Description |
|---|---|
| 090844 | POS (Pin Out Standard) |
| 090847 | PIS (Pin In Standard) |
| 090850 | POW (Pin Out Wide) |
| 090853 | TBLO (Tie Bar Lockout) |

European circuit breakers by brand name.

| Manufacturer | Pole | Model No. | Type |
|---|---|---|---|
| ABB | 1 | S222 | POS |
| ABB | 1 | F347 | POS |
| ABB | 1 | S251. S261, S263 | POS |
| ABB | 1 | S272, S253 | POS |
| ABB | 3 | S253 | POS |
| AEG | 2 | E82S | PIS |
| Allen Bradley | 1,2,3 | 1492-CB1,2,3 | POS |
| Buschmat | 1 | S46 | POS |
| Clipsal | 1 | 4CB116 | POS |
| Clipsal | 3 | 4CB320 | POS |
| E-T-A | 1 | 911225 | PIS |
| E-T-A | 2 | 911220G | POS |
| FAZ | 4 | C16 | POS |
| FAZ | 1 | C16 | POS |
| GE Vynickier | 3 | Series E | PIS |
| GE Vynickier | 3 | Series G | PIS |
| GE Vynickier | 4 | Series E | PIS |
| GE Vynickier | 1 | Series G | PIS |
| GE Vynickier 16A | 2 | Series E | PIS |
| GE Vynickier C16, 16A | 1 | Series E | PIS |
| Hager | 3 | 453717 | POS |
| Hager | 2 | MW216A | POS |
| Hager | 4 | MW620A | POS |
| Kapp | 1 | LS68 | PIS |
| Legrand | 2 | 01935 | TBLO |
| Legrand | 3 | 01980 | TBLO |

| Manufacturer | Pole | Model No. | Type |
|---|---|---|---|
| Legrand | 4 | 01980 | TBLO |
| Legrand | 2 | 04302 | PIS |
| Legrand | 3 | 06469 | PIS |
| Legrand | 1 | 01908 | POS |
| MCG | 1 | SP | POW |
| MCG | 2 | DP | POW |
| MCG | 3 | TP | POW |
| Merlin Gerin | 3 | C80A | TBLO/POW |
| Merlin Gerin | 2 | B100A | TBLO/POW |
| Merlin Gerin | 1 | C60N | POS |
| Merlin Gerin | 1 | C32N | POS |
| Merlin Gerin | 2 | C60N | POS |
| Merlin Gerin | 4 | C60N | POS |
| Merlin Gerin | 3 | C32N | POS |
| Merlin Gerin | 3 | C45AD | POS |
| Proteus | 1 | C16 | POS |
| Proteus | 1 | C6 | POS |
| Proteus | 3 | C6 | POS |
| Siemens 17U | 2 | 5SQ12 | TBLO |
| Siemens 17U | 3 | 5SQ13 | TBLO |
| Siemens 17U | 4 | 5SQ16 | TBLO |
| Siemens 17U | 1 | 5SQ11 | POW |
| Siemens B32 | 1 | 5SX21 | POW |
| Siemens C10 | 1 | 5SX1 | POW |
| Siemens C32 | 2 | 5SX1-2 | TBLO |
| Siemens C70 | 3 | 5X13 | TBLO |
| Siemens L20A | 3 | 5SN2-2 | TBLO |
| Sursum | 3 | EA53 | PIS |
| Wylex | 2 | WRS40/2 | POS |



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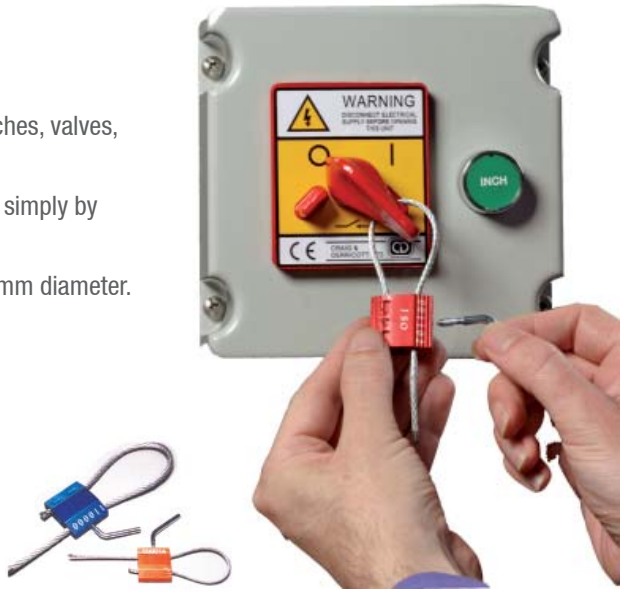
# Connection Lockouts

## Break-Away Seal

### Cable Break-Away Seal




Used for 'sealing' operating devices in an unusable condition. Suitable for switches, valves, access doors, control panels plus many other applications.
The cable is sealed in place by turning the shear screw until it breaks. Remove simply by cutting the cable.
Aluminium body with 18cm long galvanised steel cable, 1.0mm, 1.5mm or 2.5mm diameter.

| Part No. | Description |
|---|---|
| 423000 | Mini Break-away seal, Ø1.0mm x 18cm Cable |
| 421000 | Mini Break-away seal, Ø1.5mm x 18cm Cable |
| 422000 | Mini Break-away seal, Ø2.5mm x 18cm Cable |

## Safety Lockout Bag

### Safety Lockout Bag

This product can be used for locking off electrical plugs or overhead crane pendants. The bag completely encloses the plug or pendant to prevent accidental re-connection of power or operation of overhead crane. The bag can be secured in place using a padlock.

| Part No. | Description |
|---|---|
| 441000 | Safety Lockout Bag (M) (25cm x 48cm) |
| 442000 | Safety Lockout Bag (L) (25cm x 61cm) |
| 443000 | Safety Lockout Bag (XL) (91cm x 41cm) |

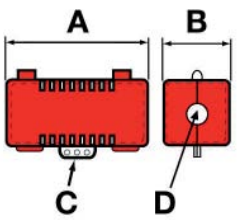
## Plug Lockout

### Plug Lockout

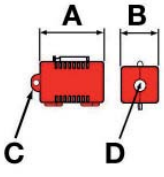
The plug lockout encloses most electrical plugs, and prevents accidental re-connection.

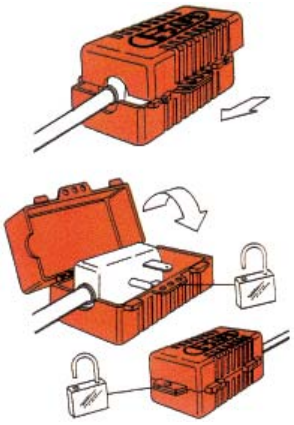
- Strong and hardwearing.
- Fully dialectric (non-conducting).
- Resistant to extremes of temperature -50°F - +300°F

Large Lockout




Small Lockout



| Part No. | Description | Inside Length A | Inside Width B | Padlock Hole C | Cable Hole D |
|---|---|---|---|---|---|
| LP110 | Small Plug Lockout | 82mm | 44mm | 7mm | 12mm |
| LP550 | Large Plug Lockout | 170mm | 76mm | 9mm | 25mm |



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# Key Cabinets

## Portable Key Cabinets

Portable Key Cabinets are round cornered with carrying handle and are ideal for mobile safety patrols or temporary worksites.

| Part No. | Max. No. Keys | Height (cm) | Width (cm) | Depth (cm) |
|---|---|---|---|---|
| 510020 | 20 | 25.5 | 19.0 | 7.0 |
| 510030 | 30 | 30.5 | 23.0 | 7.0 |
| 510035 | 35 | 30.5 | 23.0 | 7.0 |
| 510063 | 63 | 30.5 | 23.0 | 11.0 |

## Euro Security Cabinets

Portable Key Cabinets are round cornered with carrying handle and are ideal for mobile safety patrols or temporary worksites.

| Part No. | Max. No. Keys | Height (cm) | Width (cm) | Depth (cm) |
|---|---|---|---|---|
| 520020* | 20 | 25.5 | 19.0 | 7.0 |
| 520048* | 48 | 35.5 | 30.0 | 8.0 |
| 520100* | 100 | 55.0 | 36.0 | 8.0 |
| 500001 | Standard 5-Pin Cylinder | | | |
| P00003 | Extra Key | | | |

* Cylinder not included.

## Emergency Key Box

Steel construction with a break-out glass front. Emergency key boxes are designed to hold a restricted-use key near a locked door for emergency use only. A number of options are available inlcuding a cylinder lock and hammer and chain.

| Part No. | Description | Height (cm) | Width (cm) | Depth (cm) |
|---|---|---|---|---|
| 500002 | EKB c/w Cylinder Lock | 15.0 | 12.0 | 3.1 |
| 500003 | EKB c/w Hammer & Chain | 15.4 | 13.4 | 3.1 |
| 500004 | Individually numbered seal (x10) | | | |

| Part No. | Optional Extras |
|---|---|
| 500005 | Extra cabinet keys (excluding high security) |
| 500006 | 250 Sign Out Tabs |
| 500007 | 500 Sign Out Tabs |
| 500008 | 1000 Sign Out Tabs |
| 500009 | Cabinets with 2 cam locks |
| 500010 | Hasp & Staple |

Sign Out Tabs

Tabs & Numbers

All cabinets are grey colour finish and are supplied complete with key tags, adjustable bars, numbered strip and two keys.



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# Storage Solutions

## Key Cabinets

### Wall Mounted Key Cabinets

Wall mounted key cabinets offer flexible and secure storage facility. Comprising a steel cabinet with adjustable hook bars, number strips and card index.

| Part No. | Max. No. Keys | Height (cm) | Width (cm) | Depth (cm) |
|---|---|---|---|---|
| 540020 | 20 | 25.5 | 19.0 | 7.0 |
| 540030 | 30 | 30.5 | 23.0 | 7.0 |
| 540035 | 35 | 30.5 | 23.0 | 7.0 |
| 540048 | 48 | 35.5 | 30.0 | 8.0 |
| 540064 | 64 | 45.0 | 30.0 | 8.0 |
| 540100 | 100 | 55.0 | 38.0 | 8.0 |
| 540150 | 150 | 55.0 | 38.0 | 14.0 |
| 540200 | 200 | 55.0 | 38.0 | 14.0 |
| 540250 | 250 | 55.0 | 38.0 | 20.5 |
| 540300 | 300 | 55.0 | 38.0 | 20.5 |
| 540400 | 400 | 55.0 | 73.0 | 14.0 |
| 540500 | 500 | 55.0 | 73.0 | 20.5 |
| 540600 | 600 | 55.0 | 73.0 | 20.5 |

### Padlock Security Cabinets

For the storage of padlocks and keys. Larger capacity cabinets have hinged, fold out internal panels to allow easy viewing of entire contents.

| Part No. | Max. No. Keys | Height (cm) | Width (cm) | Depth (cm) |
|---|---|---|---|---|
| 550024 | 24 | 35.5 | 27.5 | 12.0 |
| 550050 | 50 | 55.5 | 38.0 | 14.0 |
| 550100 | 100 | 55.0 | 73.0 | 14.0 |

### Deep Security Cabinets

Similar to padlock security cabinets, but with extra depth to allow storage of bunches of keys or awkwardly shaped keys.

| Part No. | Max. No. Keys | Height (cm) | Width (cm) | Depth (cm) |
|---|---|---|---|---|
| 560035 | 35 | 30.5 | 23.0 | 11.0 |
| 560048 | 48 | 35.5 | 57.5 | 12.5 |
| 560100 | 100 | 55.0 | 38.0 | 14.0 |
| 560150 | 150 | 55.0 | 38.0 | 20.5 |
| 560200 | 200 | 55.0 | 73.0 | 14.0 |

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# Key Cabinets

## Clear Fronted Key Cabinets

A clear viewing panel allows confirmation at a glance which keys have been issued, even when the cabinet door is locked shut.

| Part No. | Max. No. Keys | Height (cm) | Width (cm) | Depth (cm) |
|---|---|---|---|---|
| 570024 | 24 | 35.5 | 27.5 | 8.0 |
| 570032 | 32 | 45.0 | 30.0 | 8.0 |
| 570050 | 50 | 55.0 | 38.0 | 8.0 |

## Doc Combo

Doc Combo combines the features of a Lockable Document Holder and a Safety Lockout Station. The design enables all aspects of a Safety Isolation to be controlled for the duration of the work, including Permit to Work document, padlocks, clasps and keys.

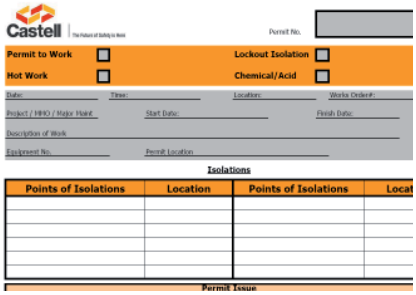
Up to 5 Permit to Work documents can be safely retained in the clear perspex cover sleeve.

Once slid into place the sleeve can be securely retained by up to seven (7) padlocks.

When the cover sleeve is removed, there is space to hang up to 15 Isolation Padlocks or Multi-Clasps.

Each Doc Combo is supplied with a 'Permit to Work' duplicate pad, with 10, four part permit documents.

| Part No. | Description | No. Hooks | Height (cm) | Width (cm) | Depth (cm) |
|---|---|---|---|---|---|
| 590003 | Doc Combo | 15 | 43 | 23 | 10 |
| A010015 | Additional Permit pads | | | | |
| A010016 | Doc Combo spare hooks (Pack 15) | | | | |



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## Key Cabinets

### Lockout Boxes

Lockout boxes form part of a safe system of work. They are used to store isolation lock keys, fuses etc that have been used to form an isolation. The key safe locking system operates as follows:

The control key can be withdrawn in the locked and/or unlocked position. Secondary lock keys can only be removed in the locked position.Lock mechanisms are independent of each other.
The key safe is secure until all keys are returned an in the unlocked position.
Control locks and keys are keyed alike within a key control area.
Secondary locks and keys differ within a key control area.

Key safes are of single or multiple units, which can be close mounted together. The door is fitted with clear perspex, 3mm thick, which enables permit entry by breaking. All safes have one control lock and either four or seven secondary locks. All locks are identified on the door of the safe, together with the safe number. All keys are provided with a brass tag engraved with the safe number and secondary lock identification.

| Part No. | Number of Secondary Locks | Width (cm) | Height (cm) | Depth (cm) |
|---|---|---|---|---|
| 581000 | 4 | 15 | 20 | 10.5 |
| 582000 | 7 | 15 | 23 | 10.5 |
| 583000 | 4 | 30 | 30 | 10.5 |
| 584000 | 7 | 30 | 30 | 10.5 |
| 585000 | 4 | 30 | 30 | 10.5 |

### Group Lock Box

The group lock box is ideal for use in lock off situations where multiple employees and energy sources are involved. All keys can be stored in the lock box, before and during the isolation. The group lock box is then locked by the supervisor using a ingle padlock. Once the job is complete, work can be checked by the supervisor before releasing and re-issuing the keys enabling re-start.

| Part No. | Description | Width (cm) | Height (cm) | Depth (cm) |
|---|---|---|---|---|
| PGLB1 | Group Lock Box | 25.5 | 10.5 | 15.5 |



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## Lock Off Stations

Convenient and high visibility Lock Off Stations make your padlocks, tags, multi-clasps and lock out devices easy to find and use. These lock off stations incorporate hooks for padlocks and multi-clasps. Available with or without contents.

| Part No. | Contents | Quantity |
|---|---|---|
| PLSE103 | Station only | 1 |
| PLSE103C | B3B15KD Padlocks | 2 |
| | B3B50KD Padlocks | 2 |
| | WT35A Do Not Operate Tags | 3 |
| | Station Price with contents | |

| Part No. | Contents | Quantity |
|---|---|---|
| PLSE104 | Station only | 1 |
| PLSE104C | B3B15KD Padlocks | 4 |
| | 216200 Multi-Clasp | 1 |
| | WT35A Do Not Operate Tags | 3 |
| | Station Price with contents | |

| Part No. | Contents | Quantity |
|---|---|---|
| PLSE105 | Station only | 1 |
| PLSE105C | B3B15KD Padlocks | 10 |
| | 216200 Multi-Clasp | 1 |
| | WT35A Do Not Operate Tags | 3 |
| | WT39A Danger Tags | 3 |
| | Station Price with contents | |

| Part No. | Contents | Quantity |
|---|---|---|
| PLSE106 | Station only | 1 |
| PLSE106C | B3B15KD Padlocks | 20 |
| | 216200 Multi-Clasp | 1 |
| | 216300 Multi-Clasp | 1 |
| | WT35A Do Not Operate Tags | 6 |
| | WT39A Danger Tags | 6 |
| | Station Price with contents | |

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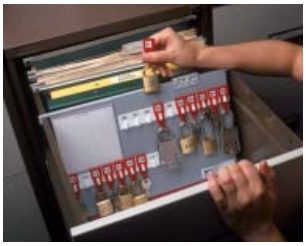
## Lock Off Centres

| Part No. | Contents | Quantity |
|---|---|---|
| PLSE101 | Centre only | 1 |
| PLSE101C | 311300 Iso-Valve ® | 2 |
| | 312300 Iso-Valve ® | 1 |
| | 313300 Iso-Valve ® | 1 |
| | BS01 Ball Valve Lockout | 1 |
| | LP550 Plug Lockout | 1 |
| | WT35A Do Not Operate Tags | 3 |
| | WT39A Danger Tags | 6 |
| | 216200 Multi-Clasps | 6 |
| | B3B30KD Padlocks | 12 |
| | Station Price with contents | |

| Part No. | Contents | Qty | Contents | Qty |
|---|---|---|---|---|
| PLSE102 | Centre only | | | 1 |
| PLSE102C | 311300 Iso-Valve ® | 2 | WT39A Danger Tags | 3 |
| | 312300 Iso-Valve ® | 1 | 216200 Multi-Clasps | 6 |
| | 313300 Iso-Valve ® | 1 | 216300 Multi-Clasps | 6 |
| | 314300 Iso-Valve ® | 1 | B3B15KD Padlocks | 6 |
| | BS01 Ball Valve Lockout | 1 | B3B30KD Padlocks | 6 |
| | BS02 Ball Valve Lockout | 1 | B3B50KD Padlocks | 6 |
| | LP550 Plug Lockout | 1 | 441000 Lock Out Bag | 1 |
| | WT35A Do Not Operate Tags | 6 | PPTWS10 PVC Sleeves Pk | 1 |
| | Station Price with contents | | | |

**Wall Mounted Lock Off Centre** comes complete with 10 double hooks mounted on a tough powder coated steel back plate with write on/wipe off label facility. Package includes 20 red hangers plus a set of adhesive numbers.

**Drawer Mounted Lock Off Centre** is designed to fit most suspension filing cabinets or drawers. Manufactured from a durable metal backboard with handle grip for easy access and removal. The system comes complete with 20 red hangers, numbering labels and a numbered index card for easy reference.



| Part No. | Description |
|---|---|
| 630000 | Wall Mounted Lock Off Centre |
| 640000 | Drawer Mounted Lock Off Centre |



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## Safety Labels

Safety signs are now an important tool to help protect staff and prevent accidents. The Health & Safety (Safety Signs and Signals) Regulations 1996 emphasise the importance of safety signs in the work place. This EU directive was designed to standardise safety signs, so that they are easily understood by anyone from within the member states of Europe. There are four main types of sign: Mandatory, Prohibition, hazard warning and safe condition. Castell will help you select the correct standard sign in the following pages, as well as provide details on custom signs that are available, details below.

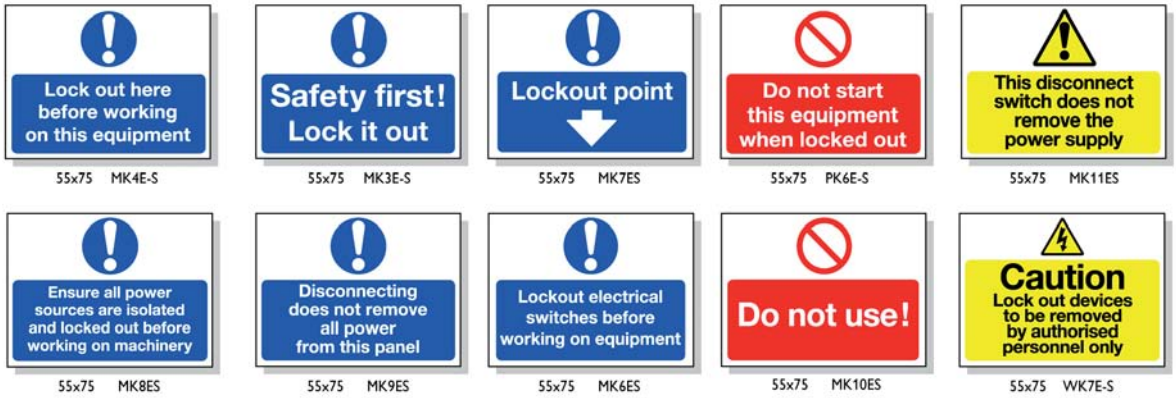
Example: Mandatory

Example: Prohibition

Example: 'Safe Condition'

Example: Hazard Warning

Locking off safety labels are available in self-adhesive vinyl (S/A). Ideal for placing next to isolators or on machines to highlight your locking off procedures. All safety labels comply with the Electricity at Work Regulations 1989 and relevent UK & EC Regulations.




| Part No. | Size (mm) | Description |
|---|---|---|
| Refer to illustration above | 55 x 75 | Safety Labels, Self Adhesive (Pack of 10) |
| Refer to illustration on following pages | 450 x 600 | Safety Signs, Self Adhesive (individual) |
| Refer to illustration on following pages | 450 x 600 | Safety Signs, Rigid PVC (individual) |
| Refer to illustration following pages | 110 x 50 | Safety Tags (Pack of 10 c/w wire ties) |
| Refer to illustration following pages | 200 x 100 | Safety Tags (individual c/w wire tie) |
| WT35A | 140 x 80 | Do Not Operate Tag (Pack of 10) |
| WT39A | 140 x 80 | Danger Tag (Pack of 10) |
| 740002 | N/A | Non-Permanent Marker |
| 740001 | N/A | Permanent Marker |



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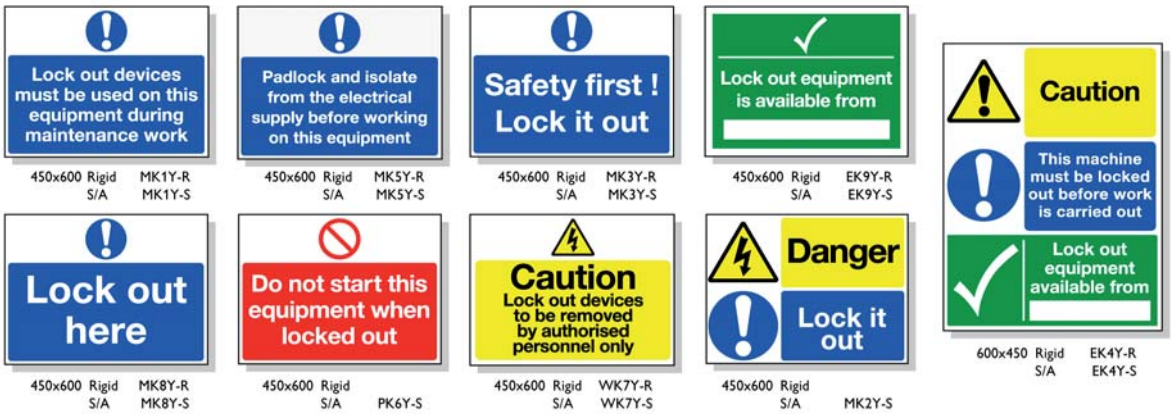
# Signs, Tags & Labels

## Safety Signs

Locking off safety signs are available in either self-adhesive vinyl (S/A) or a semi-rigid plastic (PVC). Designed specifically to highlight your locking off procedures and to remind staff of their safety responsibilities when carrying out maintenance work.




## Safety Tags

Locking off safety tags are manufactured from high impact styrene. They come complete with wire ties for instant application. Use water based non-permanent marker to add details on a temporary basis, or an oil based pen to add permanent details. All tags comply with the Electricity at Work Regulations 1989 and relevent UK & EC regulations.

**WT35A**
**110 x 50**

**WT39A**
**110 X 50**

Safety Tags 110mm x 50mm manufactured from high-impact styrene are ideal for use with Castell lock off stations and centres.

Marker pens are available in either water based non-permanent or oil based permanent markers.



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# Miscellaneous Labelling

## Danger Boards

Use a Danger Board to visually reinforce your safety message. Supplied displaying a standard warning, Danger Boards have space for additional information, such as Name, Department, and Clock Number. Additional marking, priced on request.

'Mug-Shot' Danger Boards are also available, providing a visual image of the person who is carrying out the isolation work.

| Part No. | Description |
|---|---|
| 700001 | Danger Board 6" x 3" (150mm x 76mm) |
| 700003 | Danger Board c/w 3" Stainless Steel Chain |
| 700004 | Danger Board - Photo Board |
| S000754 | Open End Link - Stainless Steel |

## Custom Sign Making

Castell can manufacture bespoke signs, labels and tags to your individual requirements. Engraved, laminated traffelite, stainless or brass dog tags, screen printed PVC or vinyl self adhesive. Whatever is your particular requirement, Castell can help.

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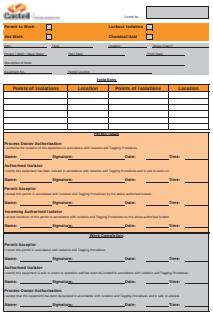
# Accessories

## Special Items

### Permit to Work



Protect your Permit to Work documents during an isolation with this clear PVC document pocket. Measuring 32cm x 26cm and complete with a press stud fastener for quick access and release.

Now available, this Castell Permit to Work pad is suitable for the recording and management of isolation procedures and activities. The pad is a four part duplicate, with each part carrying the same unique permit number. Space is provided for description of the isolation and signatures of all those working on the isolation.

Each pad has 25, four part sets.

| Part No. | Description |
|---|---|
| A010006 | PVC Clear Sleeve, Pack of 10 |
| A010015 | Permit to Work Pad |
| A010017 | Spare Perspex Document Holder |

### Carabiner Torch

This handy torch can light up small spaces. If you are working on a safety isolation lockout, and light is poor, this will help you out. Clip to your belt hook or tool bag.

| Part No. | Description |
|---|---|
| 900019 | Carabiner Torch |

### Sparky Safe®

Lockout Kits, and Sparky-Safe® are a handy way of keeping all the essential lockout devices close at hand, in a convenient belt-pouch. Eack kit comprises the same pouch and key chord, plus the contents listed below.

| Part No. | Description | Contents |
|---|---|---|
| 900013 | General Lockout Kit | B3B-15KD Padlock |
| | | 216300 Multi-Clasp |
| 900020 | Sparky-Safe® Workman | B3B-15KD Padlock |
| | | 216300 Multi-Clasp |
| | | 090844 POS MCB Lockout |
| | | WT35A 'DO NOT OPERATE' Tag |
| 900011 | Sparky-Safe® Professional | B3B-15KD Padlock |
| | | 216300 Multi-Clasp |
| | | POS, PIS, POW & TBLO MCB Lockout |
| | | WT35A 'DO NOT OPERATE' Tag |
| | | 740002 Water Based Pen |
| | | 421000 Ø1.5mm Cable Break-away Seal |
| | | 422000 Ø 2.5mm Cable Break-away Seal |

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# Brady

## Universal Valve Lockout

The Universal Valve Lockout device is a modular system which enables you to lock out valves of different types and sizes. No other device offers such flexibility and security. There are two sizes available: large and small.

- Modular system makes your investment economical and flexible.
- Can be used to lock out large levers, T-handles and other hard-to-secure mechanical devices.
- New open-ended clamp fits over closed rings, wide handles.
- Locks valves in **open and closed positions**.
- Made from industrial-grade steel and nylon for rugged durability, chemical and corrosion resistance.
- Max. shackle diameter: 9 mm
- Min. shackle clearance: 20 mm

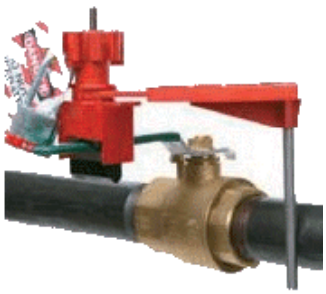
The universal lockout is a modular construction where the user can add various accessories to make the device suitable for a range of valve types.

Simply disassemble the device as shown and slot in the relevent accessory.

Cable attachment can be added to make the device suitable for locking off gate valves.

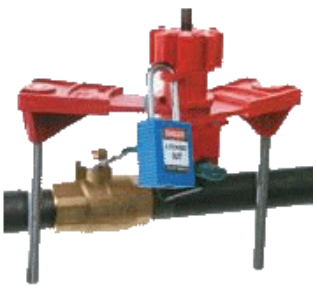
| Part No. | Description | Max. Valve Handle Width | Max. Valve Handle Thickness |
|---|---|---|---|
| 050924 | Small UVL Base Clamp | 25mm | 19.00mm |
| 050899 | Large UVL Base Clamp | 41mm | 31.75mm |
| 065402 | Small Blocking Arm | | |
| 065403 | Large Blocking Arm | | |
| 051395 | Cable attachment, 2.44m length, 3.25mm Dia. | | |

Clamp attaches to butter-fly valve lever, preventing trigger handle from being squeezed. Valve cannot be operated.



Use blocking arm to lock out quarter turn ball valves.

Use cable attachment to lock out gate valves.



Use two blocking arms to lock out 3 way, 4 way or 5 way valves, or to lock valves in the mid (throttled) position for operational control.



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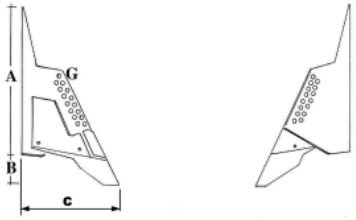
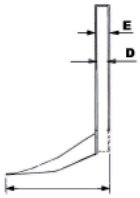
# Valve Lockouts

## Brady Ball Valve Lockout

- Suitable for locking 1/4 turn valves in the OFF position.
- Fits virtually any valve lever up to 76mm.
- Very compact and lightweight solution.
- Available in 2 sizes.
- Packaging: 1 Piece



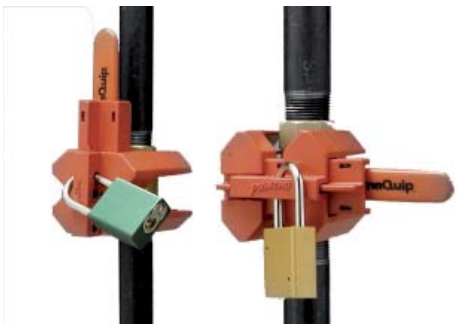
Place the lockout over the valve lever.

Ensure it fits closely against the pipeline.

Secure in place using a Castell padlock.

| Part No. | Valve Lever Size | Min. Shackle Clearance | A | B | C | D | E | F | G (Qty) | G (Dia) |
|---|---|---|---|---|---|---|---|---|---|---|
| 065666 | 6-25mm | 25mm | 80 | 30 | 60 | 8 | 12 | 71 | 8 | 7.5 |
| 065692 | 6-25mm | 25mm | 87 | 30 | 50 | 8 | 11 | 63 | 6 | 10 |
| 065669 | 32-76mm | 19mm | 150 | 30 | 110 | 10 | 15 | 110 | 15 | 7.5 |
| 065693 | 32-76mm | 19mm | 150 | 30 | 110 | 10 | 15 | 110 | 7 | 10 |

# Valve Lockouts



- Small valve lockout suitable for 12.5mm 31mm O/D pipework.
- Large valve lockout suitable for 50mm to 200mm O/D pipework.
- The two halves of the lockout enclose the valve lever.
- Maximum padlock shackle dia. 6.5mm.
- Minimum shackle clearance 38mm.
- Packaging: 1 piece.

| Description | Part No. | | Part No | | Part No. | | Part No. | |
|---|---|---|---|---|---|---|---|---|
| Small Valve Lockout | 800110 | Red | 805847 | Blue | 805848 | Green | 805849 | Yellow |
| Large Valve Lockout | 800111 | Red | 805850 | Blue | 805851 | Green | 805852 | Yellow |



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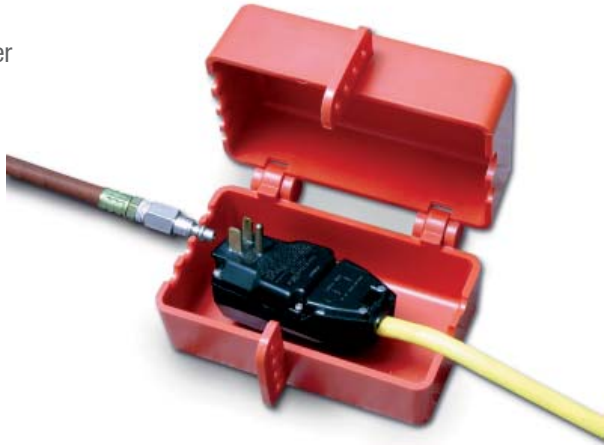
## Electrical/Pneumatic Lockout



- Accommodates a large variety of electrical plugs up to 89mm diameter and 127mm in length as well as male air hose connectors.
- Works on 110V, 220V and 550v plugs.
- Space for up to four padlocks.
- Maximum shackle diameter: 7mm
- Minimum shackle clearance: 20mm
- Packaging: 1 piece

| Part No. | Description |
|---|---|
| 800126 | Large Electrical/Pneumatic Lockout |

## Plug Lockout

- Especially developed to secure all types of plugs.
- Highly effective against unauthorised or inadvertant use of electrical equipment.
- Simple to use.
- Maximum shackle diameter: 7mm
- Minimum shackle clearance: 20mm
- Packaging: 1 piece.

| Part No. | Description | Dimensions (mm) | Padlock Holes (Qty) |
|---|---|---|---|
| 065674 | Small Plug Lockout (110V) | 50 x 50 x 90 | 2 |
| 065675 | Large Plug Lockout (220V) | 80 x 80 x 180 | 4 |

## Hubbell Plug Lockout

- Effectively secures all industrial plug connections.
- Available in two sizes
- Small: Connections with max. dia. 7cm / length 12cm / max cable dia. 25mm
- Large: Connections with max. dia. 11.5cm / length 25cm / max cable dia. 35mm
- Maximum shackle diameter: 7mm
- Minimum shackle clearance: 20mm
- Packaging: 1 piece.

| Part No. | Description | Plug Dia. (cm) | Plug Length (cm) |
|---|---|---|---|
| 065695 | Small Hubbell | 7 | 12 |
| 065968 | Large Hubbell | 11 | 25 |



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## Universal Multi-Pole Breaker Lockout

- Made of durable impact-modified nylon.
- Compatible with GE, ITE, Sylvania, Challenger, Bryan, Westinghouse, General Switch Company.
- Use thumbscrews to clamp lockout securely over the tie-bar, then insert Castell padlock to prevent clamp from being loosened.
- Maximum shackle dia: 7mm
- Minimum shackle clearance: 20mm

| Part No. | Description |
|---|---|
| 066321 | Universal Multi-Pole Breaker Lockout |

## Economy Multi-Pole Breaker Lockout

- Economical Solution.
- Designed to fit multi-pole breakers.
- Quick and easy to apply.
- Maximum shackle dia: 7mm
- Minimum shackle clearance: 20mm

| Part No. | Description |
|---|---|
| 805814 | Economy Multi-Pole Breaker Lockout |

## Single Pole Circuit Breaker Lockout

- Designed for breakers that have holes in the switch tongue.
- Quick and easy - just snap in place and apply Castell padlock.
- Dual cavities accomodate different size switch tongues.
- Maximum shackle dia: 7mm
- Minimum shackle clearance: 20mm

| Part No. | Description |
|---|---|
| 065387 | Single-Pole Circuit Breaker Lockout |



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## “No Hole” Circuit Breaker Lockout

- Extremely versatile - works on a wide range of single-pole and internal trip multi-pole breakers.
- 2 Sizes: one for 120-277V breakers and one for 480-600V breakers.
- Use thumb-screws to clamp lockout securely on to switch tongue, then pull cover over thumbscrew and lock in place to prevent clamp from being loosened.
- Maximum shackle dia: 7mm
- Minimum shackle clearance: 20mm

| ParAXt No. | Description | Max. Switch Width |
|---|---|---|
| 065396 | 277 Volt Lockout | 38mm |
| 065397 | 480-600 Volt Lockout | 16mm |

## Cylinder Tank Lockout

- Used to lockout cylinder tanks, including propane on forklift trucks.
- Valve stem hole is 31.5mm diamter.
- Apply with ease to prevent access to the valve handle.
- Designed to fit in tight spaces.
- 2 Castell padlocks can be applied.
- Maximum shackle dia: 6mm
- Minimum shackle clearance: 20mm
- Packaging: 1 piece.

| Part No. | Description |
|---|---|
| 046139 | Cylinder Tank Lockout |



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## Gas Cylinder Lockout

- Prevents access to the main cylinder valve.
- No need to match your lockout device to varying diameters of cylinder caps.
- Accommodates neck rings up to 88mm diameter.
- Installs in seconds.
- 1 Castell padlocks can be applied.
- Maximum shackle dia: 7mm
- Minimum shackle clearance: 20mm
- Packaging: 1 piece.

| Part No. | Description |
|---|---|
| 045629 | Gas Cylinder Lockout |

## Pneumatic Quick-Disconnect Lockout

- Isolates penumatic energy without the expense and inconvenience of installing in-line lockout valves.
- Device is applied to the male fitting, isolating equipment from all compressed air sources.
- Accomodates the majority of 6mm, 9mm and 12mm male fittings.
- A hole in the centre of device allows for permenant storage on air hoses and a loop on the side can be used to hang the hose and lockout device.
- Maximum shackle dia: 6.5mm
- Minimum shackle clearance: 20mm
- Packaging: 1 piece.

| Part No. | Description |
|---|---|
| 064221 | Pneumatic Lockout |



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## Oversized Breaker Lockout

- Oversized 480-600 Volt frame lockout, fits breakers up to 63.5mm wide by 22.2 mm thick.
- Maximum shackle dia: 7mm
- Minimum shackle clearance: 20mm

| Part No. | Description |
|---|---|
| 065329 | Universal Multi-Pole Breaker Lockout |

## 480-600V Breaker Lockout

- Perfect for locking out oversized and irregularly shaped switches.
- Self adhesive backed rails are permanently installed onto an electrical panel - simply clean panel surface and adhere - no drilling required.
- Blocking bars (red & green) are 190mm long.
- Red bar = locked OFF.
- Green bar = locked ON.
- Maximum shackle dia: 6.5mm
- Minimum shackle clearance: 20mm

| Part No. | Description |
|---|---|
| 090891 | Blocker Kit includes: |
| | 2 yellow mounting rails |
| | 1 red blocking bar |
| | 1 green locking bar |
| | 3 alcohol wipes |
| 090892 | 190mm Red blocking bar |
| 090893 | 190mm Green blocking bar |
| 051264 | 101mm Yellow mounting rails |
| 051265 | Blocking bar holder |

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# Rules & Regulations

Each year Health & Safety authorities publish statistics on the number of injuries and fatal accidents caused whilst working on machinery and other energy sources. The unexpected release of energy, or machine start-up can cause these accidents, but is completely avoidable if a few basic steps are taken to prevent this occurrence.

Despite the existence of regulations, requiring that all energy sources are isolated and locked off, accidents still occur. A lack of training, or simply workers taking short cuts is often the cause.

Lockout Tagout, or 'locking off' is a safety procedure, often supported by written 'permit to work' documents which sets about isolating all energy sources and other hazardous situations, for the duration of any maintenance work. For example:

> Clearing a blockage on a conveyor. This might only take a few seconds, but if the conveyor is not switched off first, it will resume working once the blockage is clear. This hazard alone is known to kill.
>
> Changing a gasket on a pump. This task might take several hours. But the same rules apply. If the pump re-starts whilst an engineer is working, serious injury or death could occur.

**Examples of energy sources.**

- Rotating motion
- Linear motion
- Electricity
- Gas, e.g. steam
- Liquids under pressure

**Accident Statistics:***

241 Workers killed at work!
141,350 Other injuries to employees reported under RIDDOR
274,000 Reportable injuries occurred
36 Million days lost overall

***Source: hse.gov.uk, 2006/07**

**Legal Requirements**

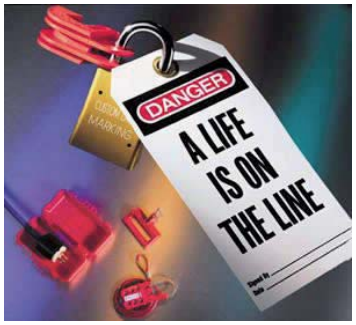
UK health and safety regulations make reference to the practice of isolation, including:

Regulation No. 19 of the Provision & Use of Work Equipment Regulations 1998 (PUWER) refers to the Isolation of Energy Sources.

(1) "Every employer shall ensure, there where appropriate, work equipment is provided with suitable means to isolate it from all sources of energy". (3) "Every employer shall take appropriate measures to ensure that reconnection of any energy source to work equipment does not expose any person using the equipment to any risk to his health or safety".

The EU Guidelines 89/655 specify the minimum requirements concerning safety and health while using equipment. Paragraph 2.14 states "All work equipment must be fitted with clearly identifiable means to isolate it from all its energy sources".

In the USA, OSHA (Occupational Safety & Health Authority) regulation 1910.147(a)(3)(i), The Control of Hazardous Energy (Lockout/Tagout) states that it "requires employers to establish a program and utilize procedures for affixing appropriate lockout devices or tagout devices to energy isolating devices and to otherwise disable machines or equipment to prevent unexpected energisation, start-up or release of stored energy in order to prevent injury to employees".




Remember also *"No person shall intentionally or recklessly interfere with or misuse anything provided in the interests of health, safety or welfare in pursuance of any of the relevant statutory provisions".* **Health & Safety at Work Act etc. 1974.**

Lockout Tagout will not control behaviour, but it can prevent accidents. If an individual is determined to take short-cuts, you must address this issue separately.



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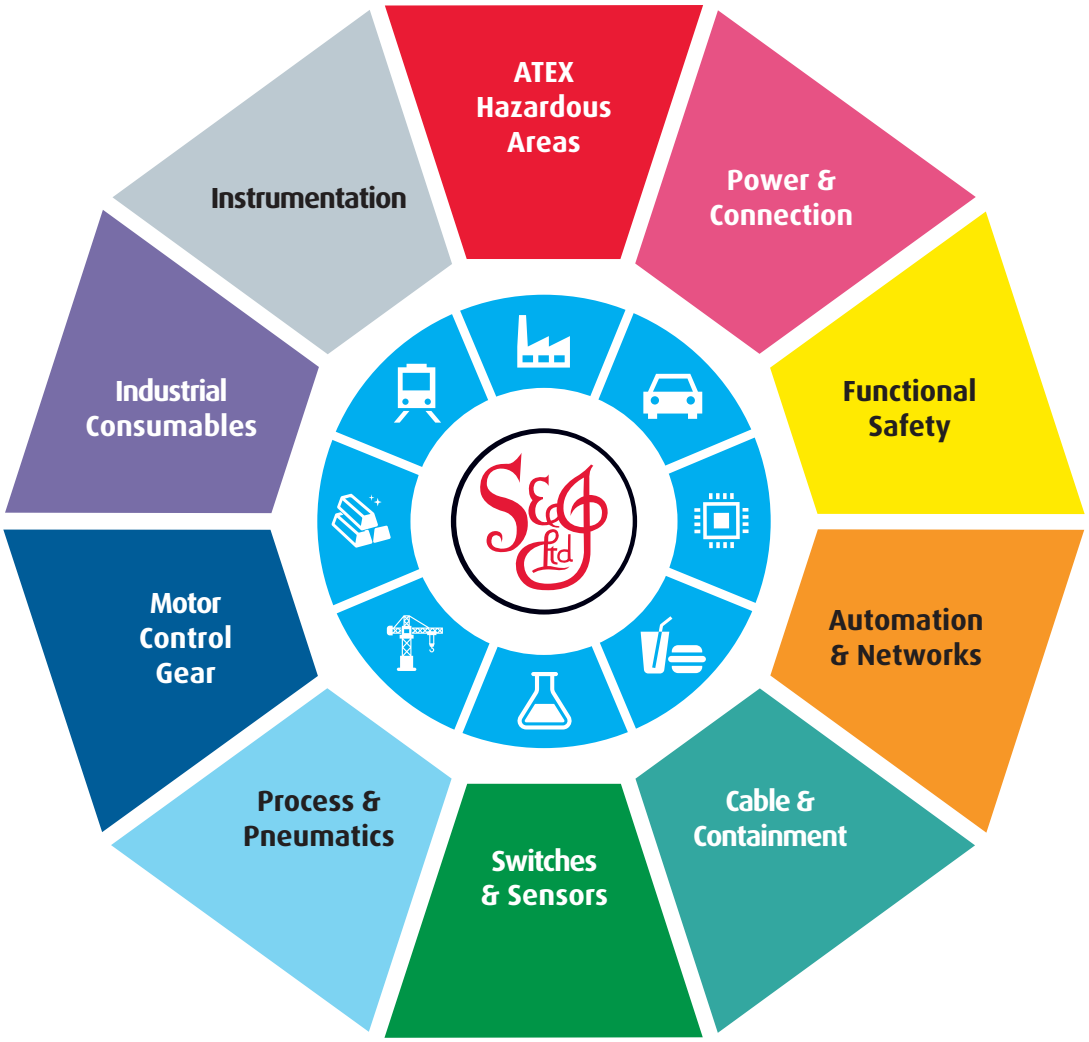


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