

CABLE LOCKOUT



VS



KAB-O-LOK™

PRO-LOCK®

White Paper: Cable lockout gets a revamp

The **PRO-LOCK®** Cable lockout was launched in the late 90's as a replacement to bulky chains (which were prone to rusting) for locking valves and various energy sources. The subsequent popularity it gained over the years as a simple easy to use LO/TO device made it an industry standard in the field of Lockout / Tagout.

The **PRO-LOCK®** Cable lockout consists of a Base and Tightening wheel in which a cable could be secured tightly by a Tool and padlocks or plastic seals. Wheeled valves could be quickly isolated in large quantities by a lightweight non-rusting energy isolation product. A separate TOOL is used for securing multiple devices based on authorization, however the TOOL needs to be stored separately after valves are locked.

The global popularity of this device led to several knockoffs / similar products produced with superficial features by multiple companies which did not in any way contribute in reducing downtime or providing an enhanced safety.

LOTO Safety Products DMCC based in Dubai (UAE) manufactures innovative feature rich patented LOTO products designed to reduce downtime & enhance safety and where possible design products with multi applications intended to **Simplify Lockout Tagout** and reduce costs. The objective was to design a Cable Lockout with features designed to reduce downtime and save on recurring costs on cables.

The patented feature rich **KAB-O-LOK™** Cable Lockout was launched in 2019 and received a tremendous response across several verticals including Oil & Gas, Utilities & Industry.

This white paper aims to compare the **KAB-O-LOK™ vs PRO-LOCK®** and examines how the innovative features solve issues on the ground effectively.

PRO-LOCK® Cable Lockout

Components: Base Unit, Tightening Wheel with Round OR Hex head, Operating Tool (Round OR Hex head), 50 Mtr Cable reels OR Fixed length. Colors: Red, Yellow & Green.

How it works:

1. The cable is positioned around the Valve wheel and body and fixed between the 2 slots in the Base Unit.
2. The Tightening Wheel is rotated by hand to lightly clamp the cables in position on the base unit.
3. **The PRO-LOCK®** device is then adjusted to optimum position near the valve wheel to ensure wheel is immobilized, much like the knot of a neck tie.
4. Once positioned, the slack in the cable is adjusted and the Operating Tool is used to tighten the cable in the base unit through the Tightening Wheel till it reaches maximum torque.
5. The cable is then checked for slack by pulling in both directions to ensure it cannot be tampered with or removed.
6. The Operating Tool is removed and padlocks are inserted into matching holes in the Tightening Wheel and Base unit to secure the device.



Disadvantages of PRO-LOCK® Cable Lockout:

1. The Tightening wheel is an independent piece prone to falling off when loosened from the Base Unit. Retrieving the Tightening Wheel from cramped spaces or on Offshore Platforms would be difficult and result in downtime. Needless to say, losing the Tightening Wheel would render the device useless necessitating the use of a new device.



2. The Operating Tool is an independent unit which needs to be removed from the device once the cable is secured between the Base Unit & the Tightening Wheel. The Operating Tool has to be secured after removal in a secure cabinet and is an essential component to open the device during the re-energization process. Lost or misplaced Operating Tools increase downtime and delays causing direct and indirect losses.

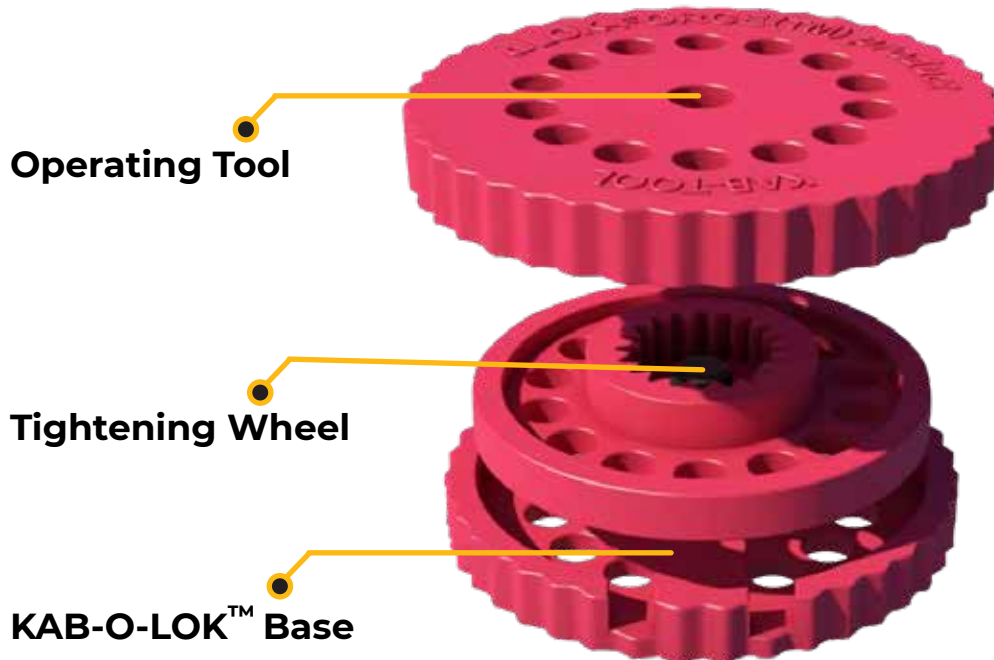


3. After removal from service, the Base & Tightening Wheel + Cable (if not discarded) + Operating Tool need to be stored as separate parts. This could result in misplacing or loss of one or more parts on site in large projects necessitating purchasing of extra devices to account for these losses.

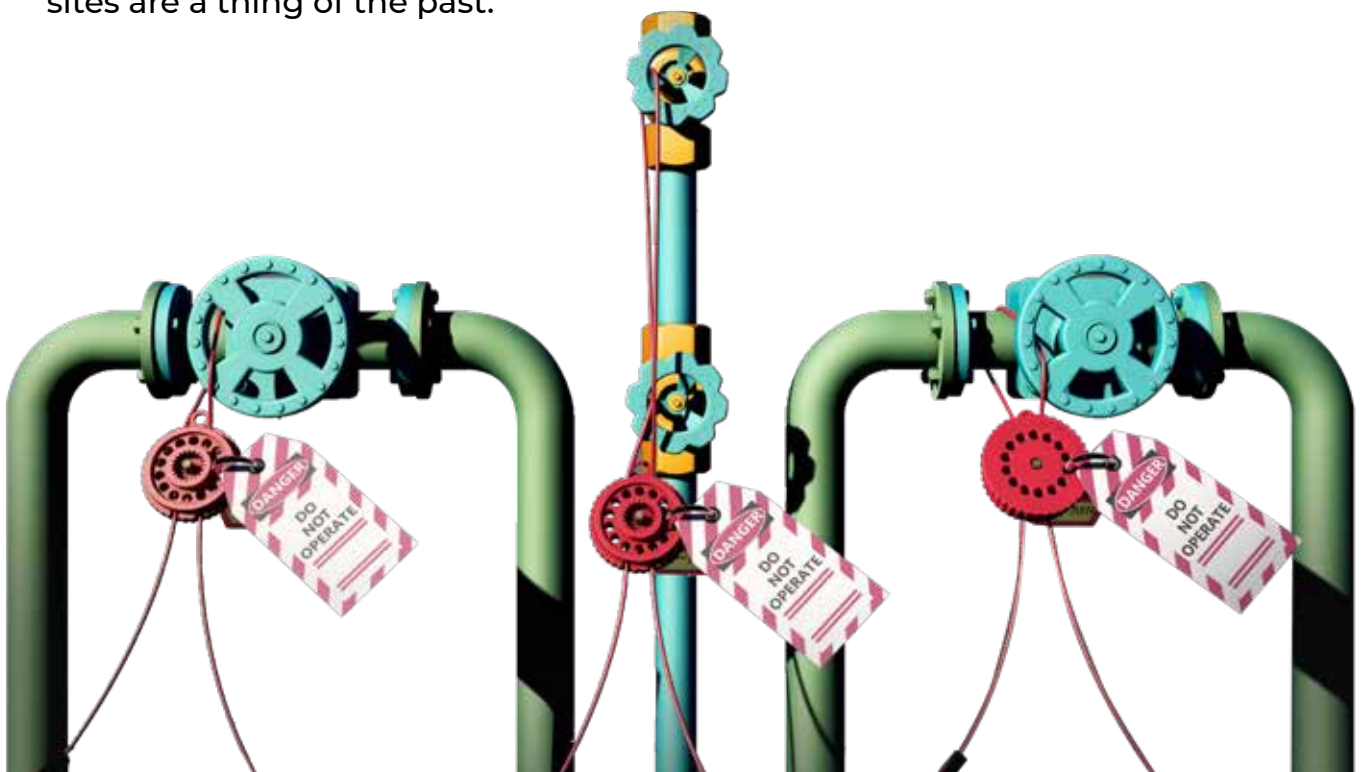


The KAB-O-LOK™ Advantage:

1. The **Tightening Wheel** is secured to the **Base Unit** by a metal washer and comes as a single handy sized preventing accidental loss.



2. The ergonomic design of the Operating Tool as a Lockable Wheel allows the Tool to be locked on to the base unit with a padlock. When several valves have to be isolated, the Operating Tool can be locked into the last valve. This ensures the Tool can never get lost or misplaced and is available on hand during the re-energization process. Misplaced and lost Tools in large facilities and on project sites are a thing of the past.



3. When the device is removed from service, the cable can be quickly wound on the palm and inserted into the Cable Hanger at the rear side of the Base Unit. Keeping the cable on the device allows quick deployment on next use.



4. The Loop on the Base unit comes handy during storage of the device in a Loto Station after use. Simply hang the Device + Operating Tool (fixed into the Base Unit) + Cable as a whole unit ready for next use. No downtime in locating different parts.



KAB-O-LOK™ vs PRO-LOCK®

A. Ease of use: Ergonomic hand sized units, tightening wheels that don't fall off and tools that don't get lost.

B. No Tool Loss: Operating Tool can be locked in the last valve, remains on site, can never get lost or misplaced.

C. Easy to store: A Cable management system to minimize cable misplacement / loss which would otherwise make the device useless or inoperable. Can be properly stocked in a LOTO Cabinet after use.

Rugged construction: Nylon PA6 +15 Glass construction, works in harsh environs and all weather conditions consistently day after day. Melting temp: 250 Deg. C.

Tamper Resistance: Equal if not better tamper resistance than any competing device.

Conclusion:

To conclude, **KAB-O-LOK™** is an example of how a product or an application can be made to evolve, in tune to the demands of the unique situations where it is used. What it takes is a passion to innovate and create products that are simply better.

KAB-O-LOK™ Live Demonstration



https://www.youtube.com/watch?v=-a_9Qpy4NzI

KAB-O-LOK™ 3D Animation Movie



https://www.youtube.com/watch?v=qHfI_b6FHfs

KAB-O-LOK™ is the trademark of LOTO SAFETY PRODUCTS DMCC (DUBAI-UAE)

PRO-LOCK® is the trademark of PRO-LOCK™ SAFETY LTD. (UK)