INTERNAL LOCKING DEVICE (ILD)
IMPROVES SECURITY AND IS EASY TO OPERATE

The ILD was developed to address security and operational deficiencies in high security padlocks and hasps currently used to secure Department of Defense (DoD) weapons storage magazines. The Office of the Assistant Secretary of Defense (OSD C3I) approved the ILD as "an alternative to the current high security padlock and hasp requirement" on 6 March 2001 for protection of conventional arms, ammunition, and explosives. It was approved for use on structures protecting chemical and biological weapons by the Department of the Army, Military Operations (DAMO) on 14 April 2003. The ILD can be installed on hinged or sliding doors and provides the following security and operational advantages over high security padlock and hasp systems:

- **Five times more resistant to forced entry attack.**
- **Sheltered from hostile environmental conditions - resists wind-driven sand, dust, rain, ice, corrosive salt spray, extreme heat and cold, freeze-thaw conditions, and insect infestations.**
- **Easy to operate.**
- **Unique key guide that allows quick, fluid key operation and greatly reduces the possibility of key breakage common with high security padlocks.**
- **Not subject to door alignment problems caused by temperature change, sagging, or wear.**
- **Adaptable to most types of door/closure installations.**
- **Easily integrated with electronic monitoring and access control systems.**

System

A complete ILD system consists of the ILD (shown here), mounting hardware, and bolt work for either sliding or swinging doors. The ILD is approximately 8" x 3" x 5" and weighs less than ten pounds. The bolt work systems for swinging and sliding magazine doors are different, but provide the same easy operation. The ILD is available with either one or two cylinders. The dual cylinder model meets two person integrity (TPI) requirements for protection of Category I conventional arms, ammunition, and explosives (AA&E), chemical, and nuclear weapons.

Operation

To open either the single or dual key ILD, the operating handle is first rotated to allow key access. The key(s) are then inserted and rotated. The operating handle is pushed and turned to release the bolts and allow the door to open. To close the door the steps are repeated in reverse order. The ILD requires no maintenance. The bolt work needs only occasional lubrication to ensure trouble-free operation. It has been vigorously tested for reliability and will provide many years of dependable service.

ILD Point of Contacts:

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