



TechData Sheet

Naval Facilities Engineering Service Center
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Magazine Door Closure System

BACKGROUND

Double swing (hinge mounted) weapons storage magazine doors often experience alignment problems. The causes can range from settling of the structure to mishandling of the doors. Unchecked, this condition results in difficulty operating the doors, possible failure of the lock, problems with alarm systems, and accelerated deterioration of the doors and hinges.

DISCUSSION

The Magazine Door Closure System (MDCS) was developed to correct door alignment problems without having to replace the existing doors and hinges. When engaged, the MDCS (Figure 1) draws the two doors into proper alignment with each other and the frame. However, the MDCS will not correct serious hinge problems (sagging), as this should be addressed separately.

The MDCS will ensure proper door alignment prior to installing an Internal Locking Device (ILD). The ILD is an approved high security lock used to secure weapon storage magazines. ILD locks address security and operational deficiencies in current padlock-and-hasps systems. The MDCS is suggested on doors with the following problems:

- Doors that need to be forced open or closed due to settling or mishandling.
- Doors with alignment problems of hasps, locks, or alarm contacts.

Note: Both doors must be in the same vertical plane when closed for the MDCS to effectively correct alignment problems.

DESCRIPTION

The MDCS can be fitted to any size right or left hand door. When installed, the MDCS replaces the existing head and foot bolt works on the inside of the inactive door with new ones, and adds an externally mounted closure system. Major components are made from cold rolled steel and welded to the doors. The adjusting screws, plus new head and foot bolts are made from stainless steel. Once installed, the MDCS can be adjusted to correct alignment problems induced by mistreatment or structural movement. The approximate weight of the system is 100 pounds.

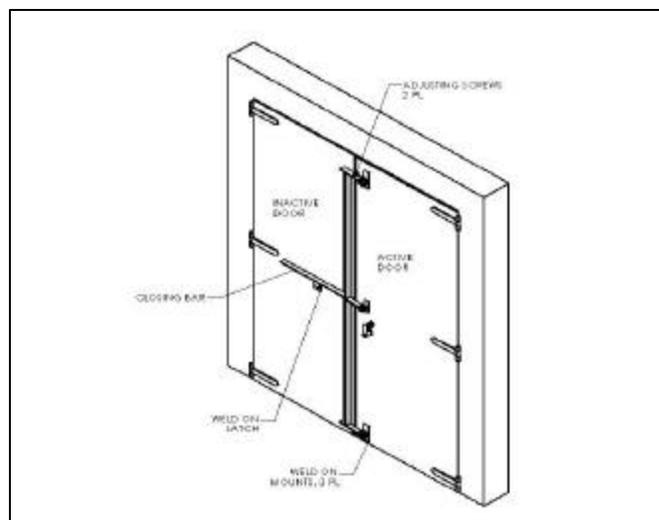


Figure 1. Magazine Door Closure System.

For additional information (including installation and/or hinge repair) go to the vendor's web site at: dtdlocks.com

The approximate cost for the MDCS is \$900.00. This price does not include installation.

For Additional Information Contact:

DoD Lock Program Technical Support Hotline

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