

Dynatorque D-Lock



Valve-locking device

Provides a robust lockout solution for automated valves—whether pneumatic, hydraulic, or electric—that require secure prevention of unintended rotation

Applications

- Securing valves in fully open or closed positions
- Protecting torque-seated valves in oil, gas, chemical, power, and water-processing facilities
- Preventing accidental movement of any rotating equipment requiring reliable lockout
- Supporting lockout/tagout (LOTO) procedures for plant safety and maintenance
- Ensuring position security for manual or automated process isolation valves

Benefits

- Enhances operational safety by minimizing accidental or unauthorized valve operation
- Ensures precise and repeatable valve positioning, even under vibration or thermal cycling
- Adapts to almost any rotating actuator or valve configuration for universal deployment
- Facilitates quick, secure isolation to reduce maintenance downtime
- Supports safety compliance with clear locking indication and robust construction

Features

- Ability to compensate for hysteresis and machining tolerances
- Engineered specifically for torque-seated valves
- Compatibility with a broad range of actuated or manual rotary valves
- Durable, corrosion-resistant materials suited to harsh or demanding environments
- Clear locking status indication



Dynatorque D-Lock valve-locking device.

How it improves performance

Designed for easy installation between the valve and actuator, the Dynatorque D-Lock™ valve-locking device provides enhanced safety and operational control across a wide range of industrial applications. It elevates operational performance by delivering uncompromising valve position security, dramatically reducing the risk of process disruptions or safety incidents.

Its versatile locking mechanism adapts to a range of valve types, ensuring consistent operation and position integrity under demanding conditions. By simplifying lockout procedures, the device saves valuable maintenance time and supports strict regulatory compliance, translating into fewer incidents, lower maintenance costs, and more efficient, reliable plant operations.

Dynatorque D-Lock Specifications

Specifications	Models D3DL to D21DL	Model D36DL	Model D60DL
Gear type	Valve locking device	Valve locking device	Valve locking device
Applications	Standard and low temperatures	Standard and low temperatures	Standard and low temperatures
Approx. torque rating	0–26,000 lbf.in	26,000–63,000 lbf.in	63,000–140,000 lbf.in

Dynatorque D-Lock Specifications

Specifications	Model D260DL	Model D500DL
Gear type	Valve locking device	Valve locking device
Applications	Standard and low temperatures	Standard and low temperatures
Approx. torque rating	140,000–300,000 lbf.in	300,000–1,000,000 lbf.in

All specifications are subject to change without notice.

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Cutaway views of a Dynatorque D-Lock device.