

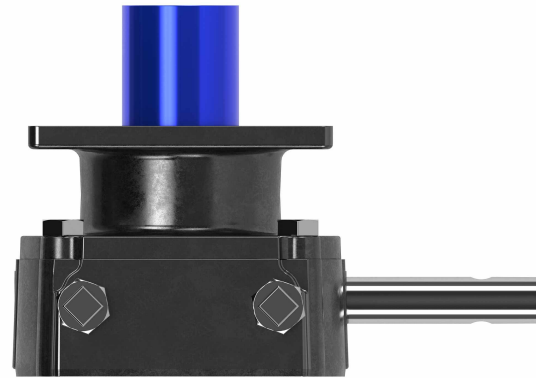
Dynatorque SRD non-declutchable manual override



Enables manual control of valve when automation isn't possible or preferred

Applications

- Emergency operation of automated valves during loss of power, instrument air, or control signal
- Commissioning and functional testing of valves where manual positioning is required before the actuator is placed in service
- Maintenance and troubleshooting by isolating a process or cycling a valve while the actuator is being serviced or has been removed
- Remote or difficult-to-access installations where a reliable and local manual backup is required
- Critical shutoff or isolation duties (e.g., emergency shutdown valves and block valves) where manual intervention may be required as a contingency
- Processes with intermittent automation requirements



Benefits

- Enhances operational safety and reduces downtime by providing a reliable manual backup
- Enables controlled manual positioning with a self-locking worm gear that reduces the risk of unintended valve movement from process forces
- Supports safer and faster maintenance and commissioning by allowing manual stroking and positioning without removing the actuator or valve package
- Reduces wear-related intervention; typically lubricated for life with minimal periodic maintenance required under normal service

Dynatorque SRD non-declutchable manual override.

How it improves performance

Installed between an actuator and valve, the Dynatorque™ SRD non-declutchable manual override is compatible with spring-return actuators. It ensures reliable valve operation during maintenance, emergencies, and system failures. The durable design and simple installation suit a range of industrial settings, including oil and gas, water treatment, and manufacturing. A locking device for these overrides is also available to prevent unintended engagement or disengagement.

(Specifications on page 2)

Features

- Standard ISO 5211 mounting dimensions on top and bottom flanges or custom machined for mounting to actuator and valve
- Transparent to valve operation when disengaged, enabling actuator to cycle without added loading
- Alternative to the Dynatorque SD declutchable manual override for spring-return applications
- Eleven frame and spur combinations that provide output torque ranging from 3,000 to 260,000 lbf.in [340 to 29,376 N.m]
- Designed to fail close or fail open based on the actuator's fail position
- Worm wheel pocket that enables free driver movement when the actuator has air or power supply
- Suitable for all handwheel applications with chainwheel adapters
- Compatibility with third-party sensor switches for improved monitoring and automation

Dynatorque SRD non-declutchable manual override



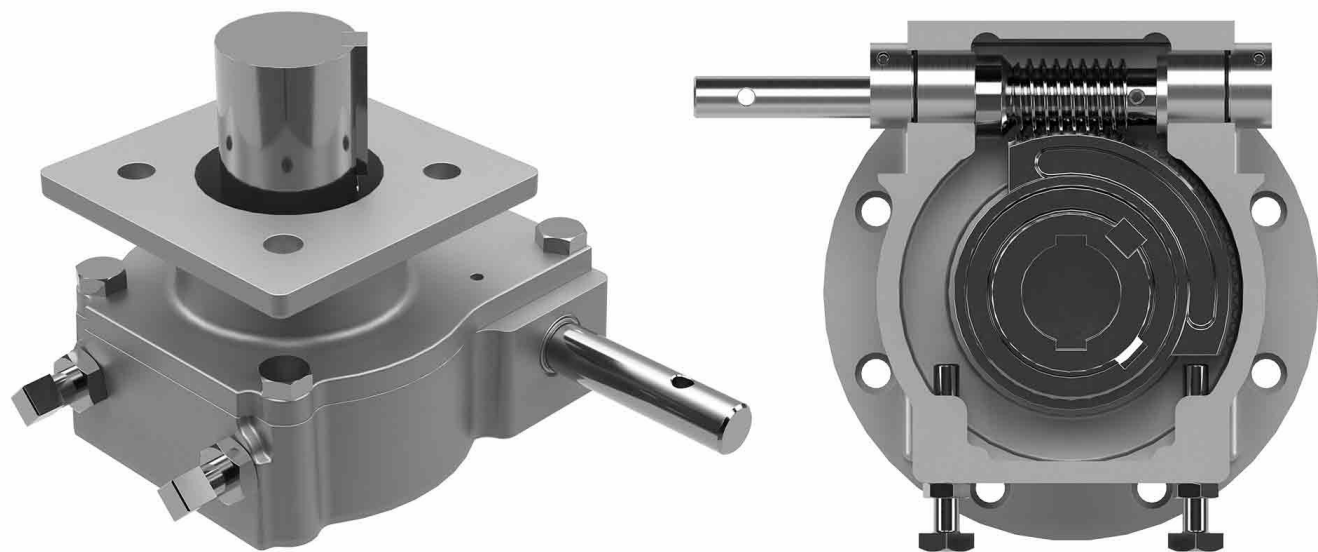
Dynatorque SRD non-declutchable manual override Specifications

Specifications	DT3SRD to DT21SRD	DT36SRD to DT54SRD	DT90SRD to DT140SRD
Gear type	Non-declutchable manual override	Non-declutchable manual override	Non-declutchable manual override
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 SRD non-declutchable manual override Specifications

Specifications	DT200SRD to DT260SRD
Gear type	Non-declutchable manual override
Applications	Standard and low temperatures
Approx. torque rating	140,000–260,000 lbf.in

All specifications are subject to change without notice.



Side (left) and bottom (right) views of a Dynatorque SRD non-declutchable manual override.