

Dynatorque severe service gears



Stainless steel gear models SG, SS, and SSW

Applications

- Engineered for seamless integration with both manual and automated valves
- Used in a range of industries, including oil and gas, chemical processing, pulp and paper, and food manufacturing
- Equipped for dependable performance in challenging environments, such as marine, submerged, extreme-temperature, and sour conditions

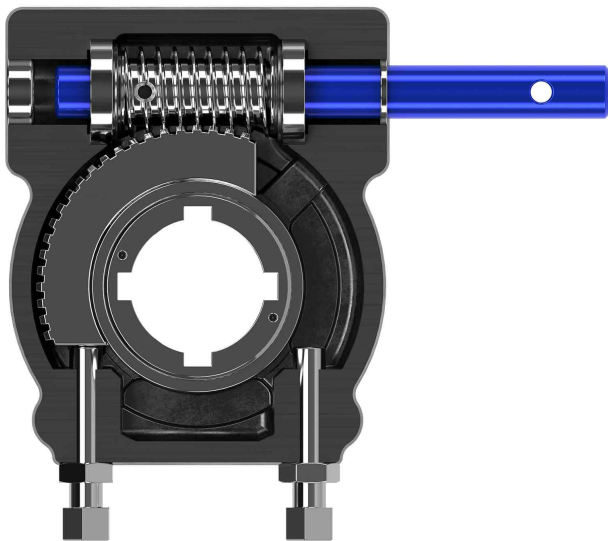
Benefits

- Reliability and operational longevity through use of corrosion-resistant materials
- Lower total cost of ownership

Features

- Available in three sizes for a wide spectrum of operational requirements
- Designed in accordance with AWWA* criteria and ISO 9001 standards
- Customizable to meet specific mounting requirements for seamless integration
- Comprehensive portfolio of accessories, including valve locking devices and handwheels
- Stainless steel partial-stroke test device available for diagnostic testing even in the harshest environments
- Stainless steel declutchable or nondeclutchable manual override mechanisms available on request
- Spur and miter gear options available on request

* American Water Works Association



Cutaway view of a Dynatorque severe service gear.

How they improve performance

Dynatorque™ severe service gears are engineered for uncompromising reliability and performance in valves, dampers, and other quarter-turn systems that require a self-locking mechanism.

External components are fabricated from 316 stainless steel, providing exceptional resistance to chemicals, saltwater, and other corrosive environments. Stainless steel internal parts are also available for enhanced durability.

- Model SG: Stainless steel unit with stainless steel gearing
- Model SS: Stainless steel unit with ductile iron gearing
- Model SSW: Stainless steel unit with manganese bronze gearing

Dynatorque severe service gears Specifications

Specifications	Models DT3SG, DT7SG, and DT21SG	Models DT3SS, DT7SS, and DT21SS	Models DT3SSW, DT7SSW, and DT21SSW
Gear type	Quarter-turn worm gear	Quarter-turn worm gear	Quarter-turn worm gear
Applications	Severe service	Severe service	Severe service
Approx. torque rating	0–21,000 lbf.in	0–21,000 lbf.in	0–21,000 lbf.in

All specifications are subject to change without notice.
DT21 models support chainwheel operation.
Handwheels with diameters exceeding 18 in are not recommended for models DT3 and DT7.