

Electric Quarter Turn Actuator with High Torque

This electric quarter turn actuator delivers high torque exceeding 1000Nm for robust performance. Its compact design is suitable for installations where space is limited, and it is engineered to perform over 10000 functional units.



ADDITIONAL IMAGES



Product Overview

High-Torque Compact Actuation

This electric quarter-turn actuator is engineered for demanding industrial applications requiring high torque between 1000Nm and 2500Nm. Its innovative, compact design utilizes a specialized gear train to maximize power density, making it an ideal, cost-effective solution for large valve automation in space-constrained environments. Built for reliability, the unit has been tested for over 10,000 full-stroke life cycles under heavy duty loads.

Performance Metrics

Torque Range

1000 Nm
Minimum Torque

2500 Nm
Maximum Torque

Life Cycle Test

10000 cycles

Compatibility

Compatible Valve Types

- DN650 Butterfly Valve
- DN350 Ball Valve
- DN1200 Ventilation Butterfly Valve
- Flap Valve

Technical Specifications

Gear System Features

- Extra-large super hard copper alloy final stage worm gear
- Double row chain for gear box to worm gear stem transfer
- High start torque capacity

Manual Override Method

Wrench or de-crutched handwheel

Certifications

Standards & Certifications

CSA Certified (UL Standard), CE Marked, RoHS 3.0