



MT/SS Series Rack and Pinion Actuator

1. Construction

- The actuator shall be a rack and pinion style actuator, aluminum or SS construction
- Actuator shall have ISO 5211 mounting interface on the bottom face with double square style (star) drive.
- The actuator shall have limit switch and solenoid valve mounting interfaces that comply with Namur VDI/VDE 3845
- The actuator shall be equipped with dual travel stops with +/- 10 degrees of adjustability.
- Actuator shall be supplied with open/closed beacon
- Springs shall be cartridge style for safety and ease of re-configuration.
- A change of end caps shall NOT be necessary when changing from double acting to spring return operation or the reverse.
- Actuator shall be capable of being configured as fail open or fail closed.
- Actuator shall be suitable for safe operation at pressures from 40 – 150 psi.
- For aluminum body construction, the body shall be extruded aluminum with die cast aluminum end caps. The pinion shall be solid carbon steel with nickel plating.
- For stainless steel body construction, the body shall be CF8M stainless steel with CF8M stainless steel end caps. The pinion shall be 316 SS.
- The standard actuator seals shall be Buna/NBR. Alternate high and low temperature seal sets shall be available.
- The body shall have a honed main bore for long seal life.
- Stainless steel fasteners shall be used for end cap attachment.

2. Standards

- Actuator mounting and drive dimensions shall comply with the latest edition of ISO 5211
- Accessory mounting dimensions shall be compliant with Namur VDI/VDE 3845

3. Manufacturer

- Actuators shall be MT Series (Aluminum) Actuators or SS Series (Stainless Steel) Actuators produced by Max Air Technology
- Or approved equal

4. Ratings

- Actuator to be suitable for operation with air, water, nitrogen, hydraulic fluid, or natural gas.
- Actuator shall be suitable for safe operation from 40 – 150 psi
- Actuator shall be capable of temperature ratings from -67° to +300° F with seal and grease changes only.



*MT Series in Aluminum



*SS Series in Stainless Steel



Approvals / Certifications:

- CE/PED Certification
- SIL 3 Certification
- DNV Certification

Compliant with:

- ISO 5211 – Industrial Valves – Part-turn actuator attachments
- VDI/VDE 3845-1 - Industrial process control valves; interfaces between valves, actuators and auxiliary equipment