



Rack and Pinion Actuators

POSITIONERS	ALUMINUM ACTUATORS	TECHNOPOLYMER ACTUATORS	LIMIT SWITCHES	SOLENOID VALVES
SPECIAL APPLICATIONS	HARDWARE OPTIONS	AUTOMATION SERVICES	TECHNICAL DATA	

Technopolymer Actuators

Evolution in engineering rack & pinion actuators

[General Features](#) | [Sizing](#) | [Technical Data](#)

Innovation

Max-Air Technology has established itself as a technical leader in the valve automation marketplace with their revolutionary Thermoplastic Series Actuators. Designed to withstand the most arduous environments, Max-Air offer three sizes for all your corrosive environmental applications covering up to 500 in-lbs of double-acting torque output.

Corrosion Resistance

Double-Acting or Spring-Return housing are manufactured from a polyamide base material utilizing high cycle life spring cartridges made with non-metallic materials (springs are epoxy coated).

Blowout Proof Protection

Mechanically held in with our exclusive patent-pending flange design, pinion are 100% blowout proof ensuring safe and effective



Solenoid Connection

Solenoid valve connection according to VDI/VDE 3845 made with an insert in alloy UNI 5076 (ASTM B179) coated with high corrosive resistance material; air connections are 1/4" GAS (Europe) and 1/4" NPT (United States).

operation.

Stainless Steel Pinions and Fasteners

All manufactured from high quality stainless steel.

ISO 5211 Output Drive

Standard on all Max-Air pneumatic actuators, the lower pinion comes standard as a double-square female output drive according to the ISO 5211 standard. Option double-d shafts are available upon request.

Top Works Dimensions

Upper drilling for accessories and upper pinion machined according to NAMUR VDI/VDE 3337 standards.

Versatile Operating Media

Air (lubricated if possible), Hydraulic oil or water, minimum of 1 bar pressure (40 psi) and maximum of 8 bar pressure (120 psi).

Working Temperature

Standard working temperature range of -20°C to 80°C (-4°F to 176°F).

Traceability

All units are serial number stamped for traceability back to the manufacturing date, time, and personnel.

Quality Assurance

All units are seal tested throughout the cycle of the actuator on highly sensitive electronic equipment.