

RAT Series Piston Type Rotary Actuators

Integrated bearings allow for more precision within the 3 different torque specification models available. $\pm 5^\circ$ adjustment with use of stoppers or shock absorbers to meet your design requirements. 2 rotational degree specifications are available.

- Double Acting Precision Rack & Pinion with Bearing Guided Table
- Work Ports Located on Multiple Surfaces for Easy Plumbing
- Utilizes Standard Integrated 4 mm Sensor Groove
- Four Types of End of Travel Cushioning Available
- Locating Holes Standard for Quick and Precision Installation
- RoHS Compliance

Improve the performance and reduce the size of your next generation machine. Koganei sets the standard for supplying innovative high-quality solutions with unmatched reliability. Optimized designs, with a wide variety of styles and sizes, increase speed to market as well as provide solutions for most applications. Expedite deliveries with product stocked in the USA.

KOGANEI is committed to your success from concept, to initial design, to final delivery and beyond.

Operations

Double Acting Double Piston

Double Acting Single Piston

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Model	Operation	Bore mm	Rotation Angles degrees	Stroke Adjustment degrees	Port Size metric [imperial]	Effective Torque* N [lbf]	Allowable Energy J [ft.lbf]	Allowable Radial Load N [lbf]	Allowable Thrust Load N [lbf]	Allowable Moment Nm [ft.lbf]	Pressure Range MPa [psi]	Temperature Range °C [°F]
RAT	Double Acting Double Piston	10	90, 180	+/- 5	M5 x 0.8 [upon request]	0.89 [0.656]	0.53 [4.691]	80 [17.98]	80 [17.985]	2.5 [1.8]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
RAT	Double Acting Double Piston	30	90, 180	+/- 5	M5 x 0.8 [upon request]	2.87 [2.117]	1.14 [10.09]	200 [44.96]	200 [44.962]	5.5 [4.1]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
RAT	Double Acting Single Piston	5	90, 180	+/- 5	M5 x 0.8 [upon request]	0.42 [0.31]	0.36 [3.186]	30 [6.74]	50 [11.24]	1.5 [1.1]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]

* @ 0.5 MPa / 72.5 psi