Pneumatic actuator series

AT pneumatic rotary rack and pinion actuator



Product features

> Flexible combination of single and double acting or different failure reset modes by adding or removing springs or flipping the piston; > Compact structure and lightweight with multi-spring double piston symmetrical design and lightweight alloy;
> Achieves durable and smooth motion system through wear resistance, low friction, and long-lasting lubrication;

> Comprehensive protection and corrosion resistance, suitable for harsh environments such as petrochemical and chemical industries;

> Complies with Namur and ISO international standards, widely compatible interfaces, easy interchangeability.

Technical parameters and performance

Series	AT
Type	Pneumatic rotary rack and pinion actuator
Model	AT52, AT63, AT75, AT83, AT92, AT105, AT125, AT140, AT160, AT190, AT210, AT240, AT270, AT300, AT350, AT400
Outer dimensions	148x72x73 to 940x520x466 (LxWxH)
Output torque	5N·m~9700N·m
Stroke	90±5。
Air source pressure	300~700kPa
Air source interface	NPT1/4, NPT3/8, NPT1/2
Performance	Basic error (with positioner):less than ±2% of full stroke | Hysteresis (with positioner):less than 2% of full stroke
Ambient temperature	Standard type -25~+80℃
	High temperature type -15~+120℃
	Low temperature type -40~+80℃
	Ultra-low temperature -52~+70℃
Material	Cylinder—aluminum alloy
	Piston—aluminum alloy
	End cover—aluminum alloy
	Main shaft—alloy steel + nickel plating
	Sealing ring—Nitrile rubber NBR, low temperature nitrile rubber NBR, fluororubber FKM, silicone rubber VMQ
Surface coating	Cylinder body anodized, light gray; end cover spray-coated, dark gray (RAL7043)