

Rack & Pinion Pneumatic Actuator / Features

General Features

- High performance
- Long lasting
- High torque (rotation movement) output
- Position indicator
- Body: Extruded aluminium, (on request; anodized)
Optionally; epoxy painted body or PTFE coated body
- Piston and caps: Die cast aluminium
- Double acting actuators can turn into single acting easily
- Single acting actuator's springs, preloaded and durable
- Sensitive and high quality working of bearing system and o-ring
- Stroke adjustment in both ways 3 50
- Nickel covered steel or stainless steel shaft
- ISO 5211, DIN 3337 and namur standard
- Limit switchbox, positioner connection is namur standard
- Direction valve montage is namur standard
- Actuator valve montage is ISO 5211 standard



Design Features of TORK RA Series Actuator (Rack & Pinion Actuator)

- 1) **Actuator Body:** Corrosion protected aluminium extruded body.
 - 2) **Indicator:** It is standard on all actuators.
 - 3) **Caps:** Aluminium extruded caps provide maximum resistance against corrosion, caps are suitable for single and double acting actuators
 - 4) **Stroke Adjustment:** Permit adjustment of 3 %5 in both directions.
 - 5) **Springs:** Cartridge design and corrosion resistant springs.
 - 6) **Piston Bearing O-rings:** Long lasting
 - 7) **Nuts and Bolts:** Stainless steel and high resistance for corrosion.
 - 8) **Actuator Pistons:** Aluminium injections. High quality o-rings and against corrosion.
 - 9) **Connections:**
 - Solenoid Valve, Limit Switch Box, Positioner: Namur VDINDE3845
 - Ball, Butterfly and Plug Valve Montage: ISO5211, DIN3337standard
- Air Quality:**
ISO 8573-1 : 7-4-4 (Particle - Water - Oil)

