

# RACK & PINION ALUMINUM ACTUATORS

## DOUBLE ACTING & SPRING RETURN



### FEATURES / SPECIFICATIONS:

- Extruded aluminum body is internally machined and lapped to exact specifications. All internal and external surfaces are anodized for corrosion resistance
- Die-cast aluminum end caps and pistons are epoxy powder coated for maximum corrosion resistance.
- The pinion teeth are engaged the full length and stroke of the piston. The pinion height allows for manual operation without disturbing the position indicator.
- All pinions are supplied with anti-blowout retention in both directions.
- Epoxy coated special steel springs are preloaded with nonmetallic materials. The stainless steel end cap fasteners are extra long to allow for spring relaxation.
- Pistons incorporate double wear pads that serve as both guide and wear bearings. Shaft bearings isolate the pinion gear from the housing and support the shaft during high cycle applications.
- Travel stop adjustment with plus or minus 10° in both open and close directions have machined grooves for retention of the internal o-ring seal.\*



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- Buna-N seals standard, Viton and Silicon are available for high or low temperatures.
  - Techno-polymer bearing pads have large contact areas permitting smoother movement and longer service.
  - Spring cartridges are preloaded carbon steel and coated for corrosion resistance.
  - Double travel stops provide +/- 10% adjustment in both the open and close directions.
  - High visibility Black and Yellow Indicator.
  - Corrosion resistant end caps on all models.
  - Bodies are of extruded aluminum and are machined lapped. All surfaces are hard anodized for superior corrosion resistance.
  - Anti-Blowout proof design mounting flange.
  - Pinions are 303SS on sizes 16 and 21. All other sizes are ENP carbon steel.

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