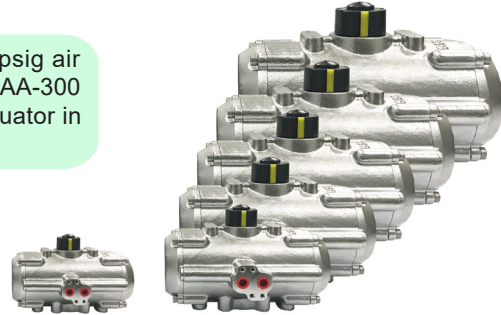
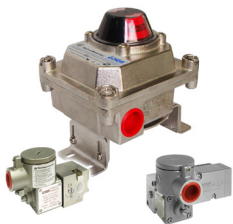




Design and Feature

Allied A Series rack and pinion actuators are stainless steel actuators suitable for use in corrosive environments. This Allied new design stainless steel actuator has been proved with long cycle life for the most demanding applications such as marine and offshore, chemical processing, pulp and paper, food and beverage, as well as petrochemical industries.

Total 10 different models cover wide range of output torques. At 80 psig air pressure, the output torque ranges is from 130 to 33,700 in-lbf. Model AA-300 is known as the largest such type of Rack & Pinion Stainless Steel Actuator in the market today.



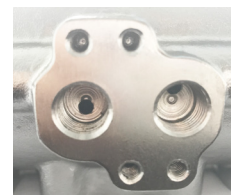
The body and end caps are investment casting stainless steel available either CF8 (SS304) or CF8M (SS316) as request.

Optimized engineering, precision machining, perfection assembly and rigor tests and quality control system assure the actuator smooth operation and long cycle life.

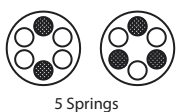


Flexible adjustment in travel ends. The two independent external travel stop adjustment bolts allow +/- 5 degree adjustment at both 0 degree and 90 degree positions.

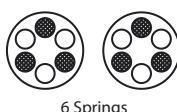
Fully conforms to latest ISO 5211 and NAMUR standards for easy mounting of quarter turn valves, limit switches, solenoid valves, and other accessories.



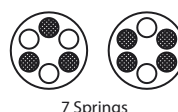
High performance pre-loaded spring cartridges allow for greater safety and longer spring life. Double acting can be easily changed to spring return, or vice versa by adding and removing the spring cartridges. Different torque requirements can also be easily achieved by changing the quantities of the springs.



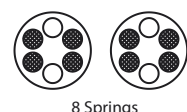
5 Springs



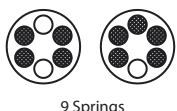
6 Springs



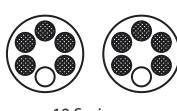
7 Springs



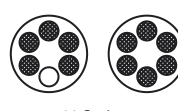
8 Springs



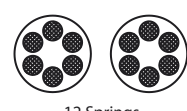
9 Springs



10 Springs



11 Springs



12 Springs

Even spring set is recommended for high cycle application.