

radius



KSY/KSYM
Scotch Yoke
Actuator Series



KSY/KSYM Scotch Yoke Actuator Series

FEATURES AND BENEFITS

The Radius KSY and KSYM Scotch Yoke actuators are specifically designed for the use with quarter-turn valves. The large output torque range offered by Radius ensures that our actuators match the operational characteristics of plug, ball or butterfly valves; or any device requiring precise and reliable 90° rotary motion.

- Carbon Steel Scotch Yoke mechanism available in symmetric form.
- Modular construction allows the air cylinder and the spring cartridge to be assembled to either side of the central body.
- The air cylinders are nickel plated as standard to improve corrosion resistance and reliability.
- An internal chrome guide bar ensures proper support of the piston rod.
- Provided with bronze bearings and sliding blocks for smooth operation and extended service life.
- For the spring return version the spring is supplied in a welded spring cartridge to ensure safety when disassembling. The spring cartridge can only be removed when the spring is released.

- Totally enclosed weatherproof central body.
- Air cylinders and spring cartridge fitted with mechanical end stops to ensure a regulation of $\pm 5^\circ$.

TECHNICAL SPECIFICATIONS

Working Pressure: Double Acting—From 40 to 160 PSI
Spring Return—From 40 to 160 PSI

Media: Air or non corrosive gas

Temperature range: -4° to 212°F

Lubrication: Free for its normal life

Rotation: Anti-clockwise to open

Movement: $90^\circ \pm 10^\circ$ (5° at each end)

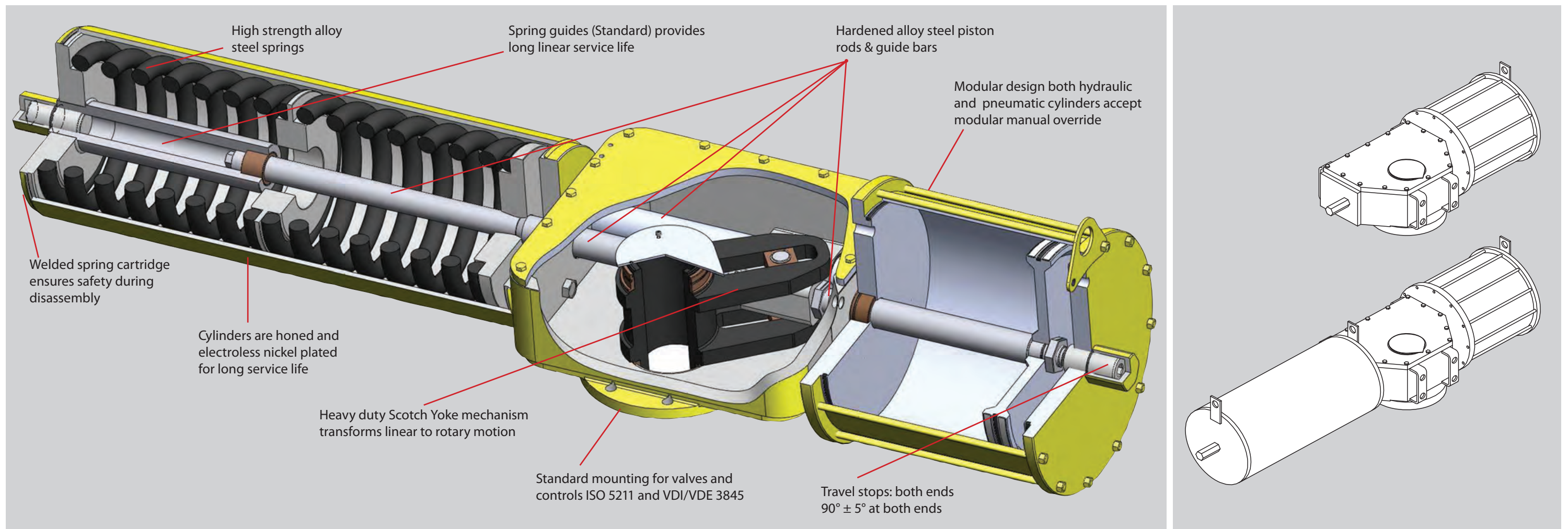
OPTIONS

Double Acting and Spring Return actuators available

Special O-Rings for low temperature and high temperature applications available upon request

Special coating for corrosive environments available upon request

Mounting brackets to valves available upon request





Radius L.L.C.
4922
Technical Drive
Milford
MI 48381
Phone: 248.685.0773
Fax: 248.685.0740
www.radius-eng.com