

## PNEUMATIC ACTUATORS

Pneumatic actuators > Aluminium spring return "SR" type

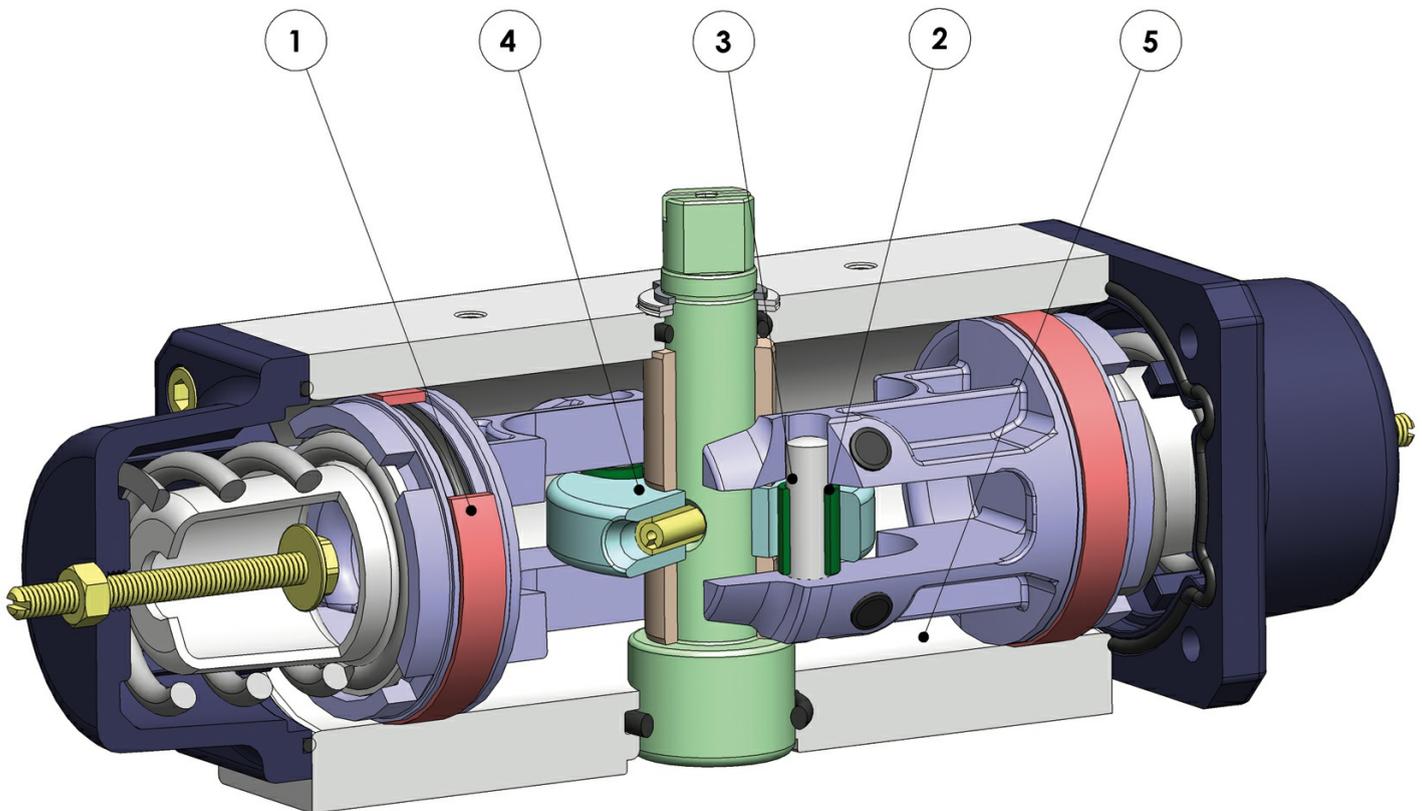
### Pneumatic actuators

### Aluminium spring return "SR" type



### Features & benefits

"The image may not be representative of the product".



#### FEATURES AND BENEFITS

1	Energized and self-lubricated strips	Less friction between piston and cylinder It prevents the bonding of the seal to the cylinder even after long periods of inactivity
2	Slots, bushes and pins made by steel with hardness higher than 50 HRC	Higher resistance to the forces inside the actuator
3	Rolling friction between piston and slot	Less friction
		Reduced friction between piston and shaft with consequently less wear on the relevant parts

4	Scotch yoke with rolling friction (transforming rotary motion into linear motion using piston and shaft without teeth/gears)	Empowered Breakaway Torque (BTO & BTC)
		Smaller volume/size than rack and pinion actuators (with the same torque) therefore less space required for installation
		Less weight than the rack and pinion (-30% kg / Nm), with consequent savings on the construction sizing of the plant/equipment
		Lower air consumption compared to the rack and pinion (-40% air cm <sup>3</sup> /Nm for Double Acting and -20% air cm <sup>3</sup> /Nm for Spring Return) therefore less load on the compressor or the possibility of using a smaller compressor's size.
5	Rolled cylinder	Less wear of the energized ties thanks to the low roughness of the surface (0.15 micron Ra)
	100% in- house manufacturing process technology	Maximum control and accuracy in all the stages of the manufacturing process
	ATEX Certificate	Installation is allowed in a potential explosive environment
	SIL 3 Certified	Guarantee of the high level of functional safety.