

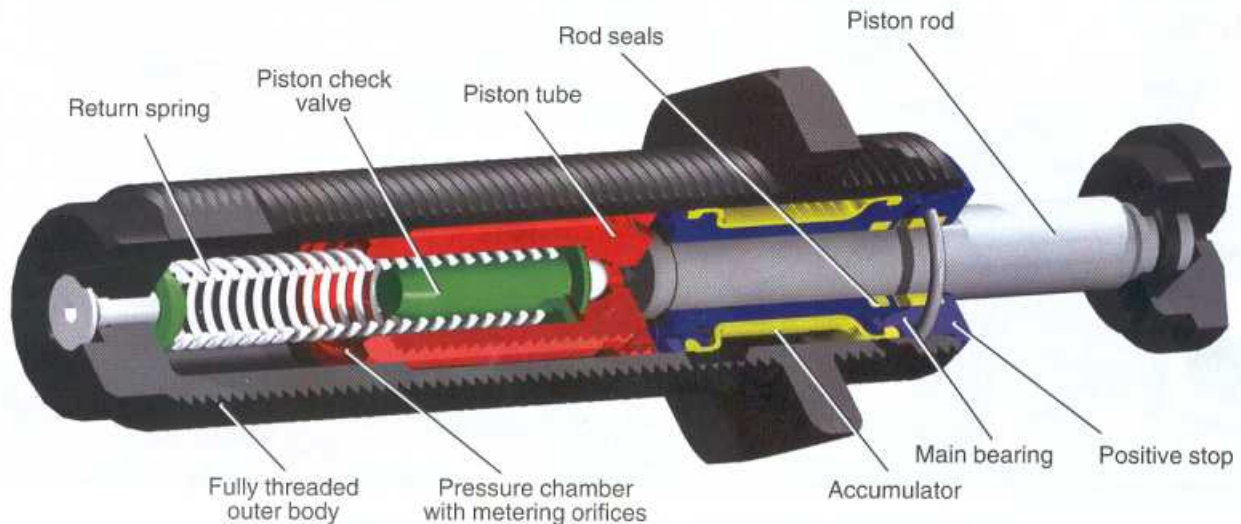
Miniature shock absorbers decelerate big loads at low speeds

A line of miniature shock absorbers decelerates heavy loads moving at low velocities, offering increased energy per cycle. The SC² Heavyweight II Series from ACE Controls Inc., Farmington Hills, Mich., delivers up to 950% of the effective weight capacity of conventional shocks. The design combines the piston and inner tube into a single component, the piston tube, which both creates and controls pressure. Potential applications include rotary actuators, rodless cylinders, conveyors, pick-and-place operations, and slides.

The Series uses a bladder-type accumulator to keep internal components clean. It also has a larger piston rod diameter than previous models. These two features allow for more energy per cycle, increased side load capability, and longer life.

The SC² Heavyweight II Series offers soft-contact deceleration where initial impact forces are low. The absorber also copes with changing input energy conditions without adjustment. These shock absorbers can be used to decelerate loads, prevent impact damage, dampen noise, increase equipment speeds, and improve product performance. **Circle 626**

Industrial shock absorbers can be used to slow heavy loads at low velocities.



The miniature shock absorber design combines the piston and the inner tube into a single component, the piston tube. It both controls and creates pressure.