

## SC190 to SC925

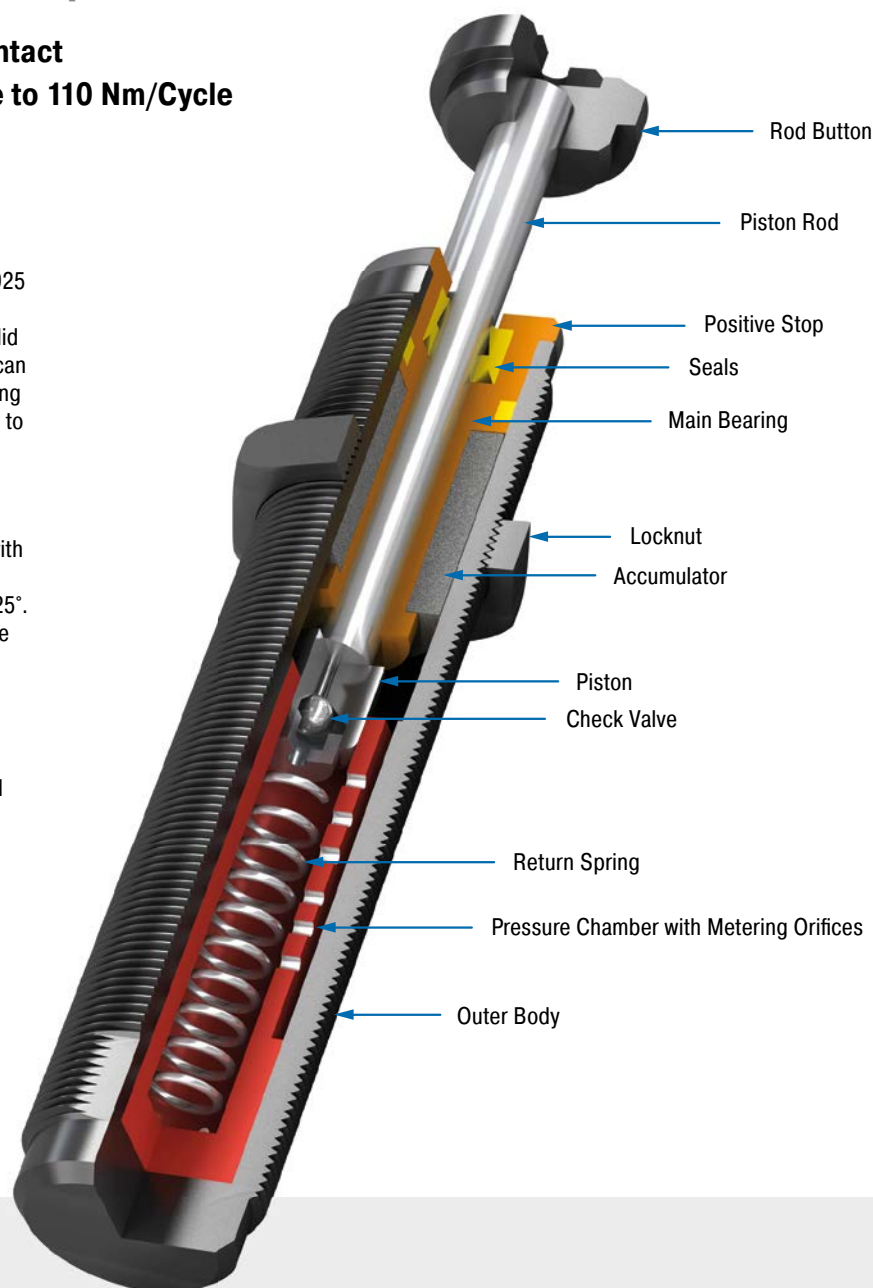
### Long stroke and soft impact

**Self-Compensating, Soft-Contact**  
**Energy capacity 25 Nm/Cycle to 110 Nm/Cycle**  
**Stroke 16 mm to 40 mm**

Ideal for soft damping: The SC found in the model code from the ACE series SC190 to 925 stands for 'soft contact'. These miniature shock absorbers manufactured from one solid piece are designed in such a way that they can be setup with a linear or a progressive braking curve. The soft damping character is thanks to the special, long strokes producing smooth deceleration and low reaction forces.

These maintenance-free, ready-to-install hydraulic machine elements are equipped with an integrated positive stop. The use of side load adapter allows impact angles of up to 25°. Thanks to the designed overlapping effective weight ranges, these dampers cover an effective load range of below 1 kg to more than 2,000 kg!

The miniature shock absorbers from the SC190 to 925 series are used in mechanical engineering and primarily in the areas of handling and automation.



### Technical Data

**Energy capacity:** 25 Nm/Cycle to 110 Nm/Cycle

**Impact velocity range:** 0.15 m/s to 3.66 m/s. Other speeds on request.

**Operating temperature range:** 0 °C to 66 °C

**Mounting:** in any position

**Positive stop:** Integrated

**Material:** Outer body, Accessories: steel corrosion-resistant coating; Piston rod: hardened stainless steel

**Damping medium:** oil, temperature stable

**Application field:** linear slides, pneumatic cylinders, handling modules, machines and

plants, finishing and processing centres, measuring tables, tool machines

**Note:** If precise end position datum is required consider use of the stop collar type AH.

**Safety instructions:** External materials in the surrounding area can attack the seal components and lead to a shorter service life. Please contact ACE for appropriate solution suggestions. Do not paint the shock absorbers due to heat emission.

**On request:** Nickel-plated or weartec finish (seawater resistant) or other special finishes available to special order. Models without rod end button.