



SC 190-HC High-Cycle Industrial Shock Absorber Cycle Faster - Gain Production Time



Shock Absorbers Shown
Actual Size

Advantages...

*Designed for High-Speed
Automation Equipment*

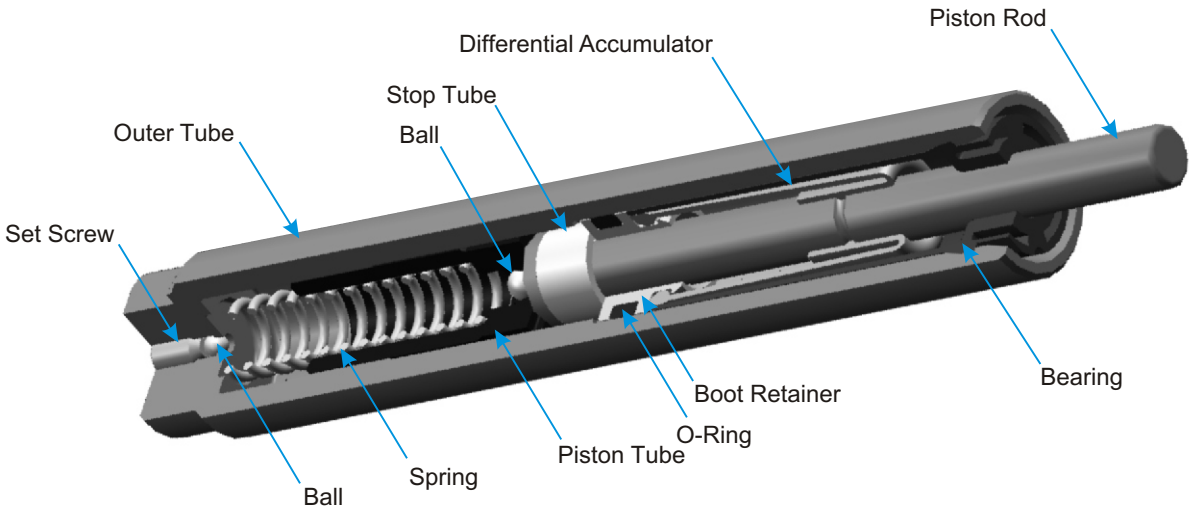
Quick Time Through Stroke

*Capable of Rapid Repeat
Strokes*

Quick Rod-Ready Time

The new ACE Controls SC 190-HC High-Cycle industrial shock absorbers are ideal for high-speed applications. The short stroke and quick rod-ready time translate to faster cycling for your equipment.

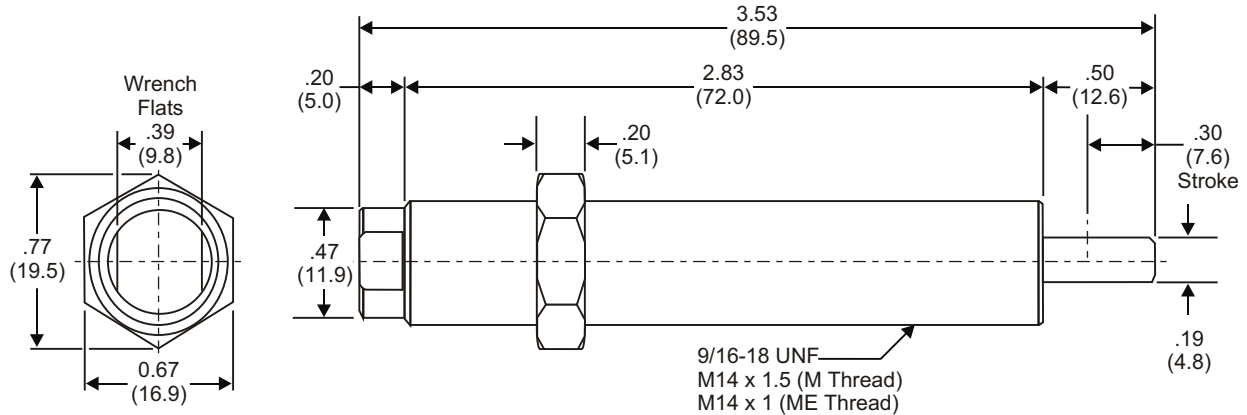
Applications include: packaging equipment, slides, rotary actuators, small and medium robotics, machine tools, pick & place operations and more.



ACE Controls Inc.

World leader in deceleration technology
ISO 9001:2000 Certified

Dimensions in inches (millimeters)



Specifications

Model	We Effective Weight lbs (kg)	E ₃ Energy per Cycle in lbs (Nm)	E ₄ Energy per Hour in lbs/hour (Nm/hour)	Return Force lbs (N)	Return Time sec	Shipping Weight lbs (kg)
SC 190-5-HC	4 - 35 (2 - 16)	175	443,000	2.67	0.30	0.13
SC 190-6-HC	29 - 309 (13 - 140)	(20)	(50,000)	(11.88)		(0.06)
SC 190-7-HC	300 - 3,400 (136 - 1,542)					

Technical Data

Impact velocity range:

SC 190-5-HC: 1.63 to 14.60 ft/sec (0.49 to 4.45 m/sec)

SC 190-6-HC: 0.55 to 5.69 ft/sec (0.17 to 1.73 m/sec)

SC 190-7-HC: 0.16 to 1.76 ft/sec (0.05 to 0.54 m/sec)

Operating temperature: 32° to 150°F (0° to 66°C)

Mechanical stop: Integral mechanical stop built into shock absorber.

Oil Type: SF 96-500

Materials: Steel body with black oxide finish. Hardened stainless steel piston rod.

Technical data applies to standard and metric threaded models.

Maximum side load depends on application. For additional information contact ACE Controls' Applications Department.

Lock nut torque specifications: 114 - 125 in lbs (13 - 14 Nm)

Lock nut included with each shock absorber.

Ordering Information

