



SC 300-HC High-Cycle Industrial Shock Absorber Cycle Faster - Gain Production Time

Advantages...

Designed for High-Speed Automation Equipment

Quick Time Through Stroke

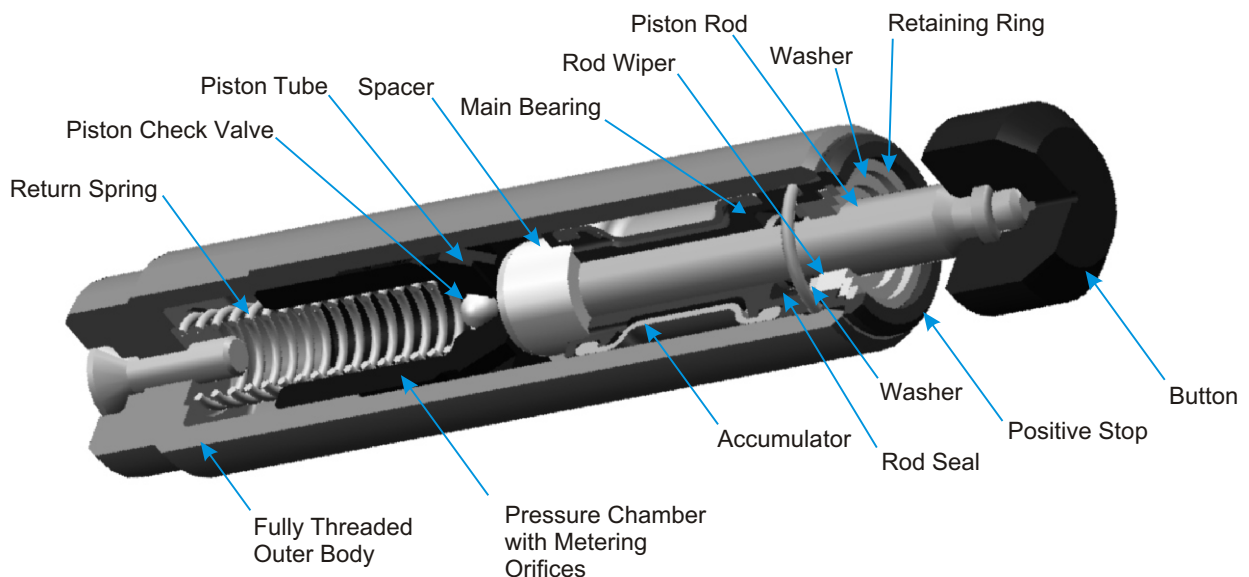
Capable of Rapid Repeat Strokes

Quick Rod-Ready Time



The new ACE Controls SC 300-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.

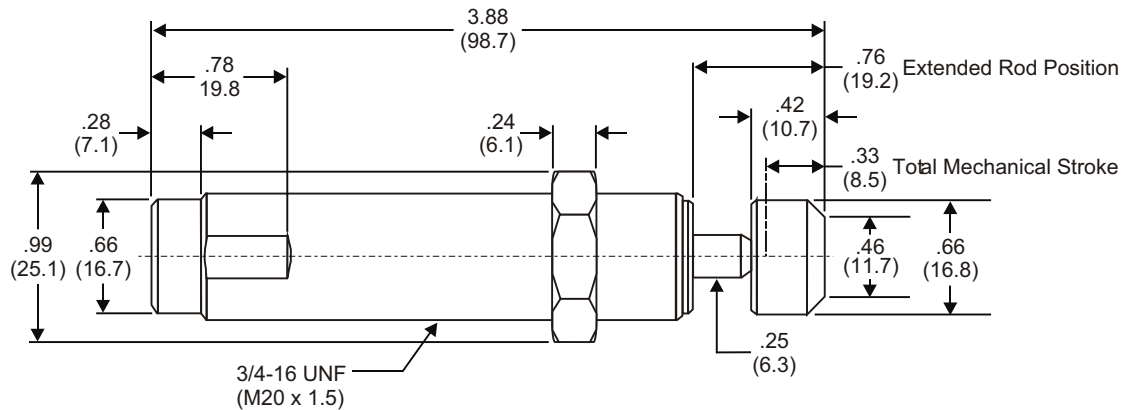
Applications include: packaging equipment, slides, rotary actuators, small and medium robotics, machine tools, pick & place operations and more.



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 300-5-HC	25 - 100 (11 - 45)					
SC 300-6-HC	75 - 300 (34 - 136)					
SC 300-7-HC	200 - 400 (91 - 181)	360 (41)	400,000 (45,194)	2.63 - 3.91 (11.70 - 17.39)	0.20	0.33 (0.15)
SC 300-8-HC	300 - 1,500 (136 - 680)	*700 (79)				
SC 300-9-HC	700 - 4,300 (318 - 1,950)					

*Hydro shock energy rating, consult factory

Technical Data

Impact velocity range:

SC 300-5-HC: 1.39 to 8.79 ft/sec (0.42 to 2.68 m/sec)
 SC 300-6-HC: 0.80 to 5.07 ft/sec (0.24 to 1.55 m/sec)
 SC 300-7-HC: 0.69 to 3.11 ft/sec (0.21 to 0.95 m/sec)
 SC 300-8-HC: 0.36 to 2.54 ft/sec (0.11 to 0.77 m/sec)
 SC 300-9-HC: 0.21 to 1.66 ft/sec (0.06 to 0.51 m/sec)

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

Mechanical stop: Integral mechanical stop built into front of units.

Oil Type: Ace #5

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: 240 - 264 in lbs (27 - 30 Nm)

Lock nut included with each shock absorber.

Ordering Information

SC 300 - 5 - HC

SC Series	Model Number	Mounting Thread	Effective Weight	High Cycle	Button Options
Self-Compensating	300	- Standard (UNF) M Metric	-5 Heavy -6 Heavy Plus -7 Heavy Duty -8 Extra Heavy -9 Ultra Heavy		Standard with Button -NB No Button, Short Rod