



SC 650-HC High-Cycle Industrial Shock Absorber Cycles Faster - Gains Production Time



Advantages...

Designed for High-Speed Automation Equipment

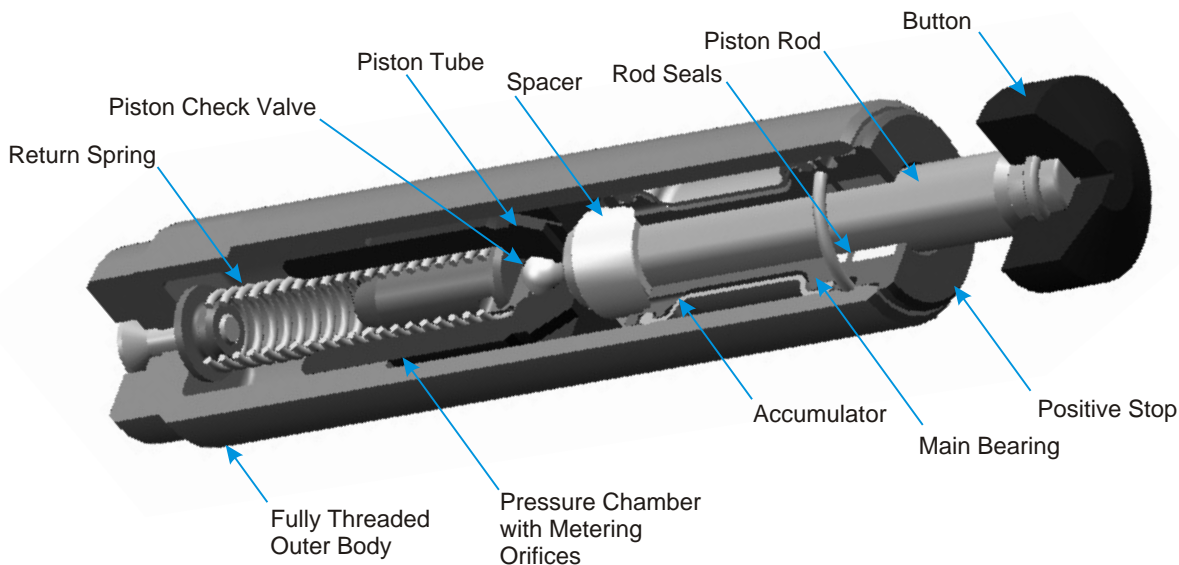
Quick Time Through Stroke

Capable of Rapid Repeat Strokes

Quick Rod-Ready Time

The new ACE Controls SC 650-HC High-Cycle industrial shock absorber is ideal for high-speed applications. The short stroke and quick rod-ready time translate to faster cycling for your equipment.

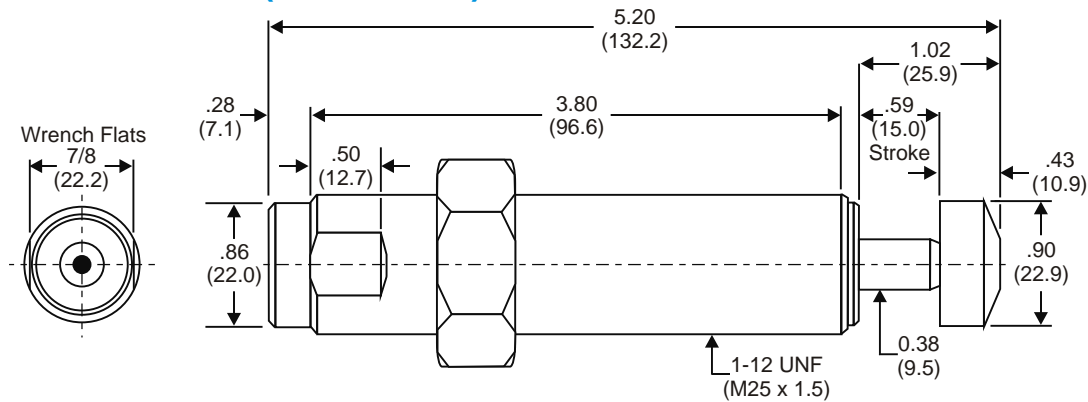
Applications include: packaging equipment, slides, rotary actuators, small and medium robotics, machine tools, pick & place operations and more.



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 650-5-HC	50 - 250 (23 - 113)					
SC 650-6-HC	200 - 800 (91 - 363)					
SC 650-7-HC	700 - 2,400 (317 - 1,089)	1,200	600,000	4.94 - 8.30	0.20	0.76
SC 650-8-HC	1,700 - 5,800 (771 - 2,631)	(135)	(67,791)	(21.97 - 36.92)		(0.34)
SC 650-9-HC	4,000 - 14,000 (1,814 - 6,350)					

Technical Data

Impact velocity range:

SC 650-5-HC: 1.60 to 11.34 ft/sec (0.49 to 3.46 m/sec)

SC 650-6-HC: 0.90 to 5.67 ft/sec (0.27 to 1.73 m/sec)

SC 650-7-HC: 0.52 to 3.03 ft/sec (0.16 to 0.92 m/sec)

SC 650-8-HC: 0.33 to 1.95 ft/sec (0.10 to 0.59 m/sec)

SC 650-9-HC: 0.21 to 1.27 ft/sec (0.06 to 0.39 m/sec)

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

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

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: 528 - 588 in lbs (60 - 66 Nm)

Lock nut included with each shock absorber.

Ordering Information

