

## New Extremely Miniature MC 5M Shock Absorber

**High-Energy Absorption - Minimum Package  
1.18 inches (30.0 mm) in Length Without Optional Button**



Shock absorbers shown actual size

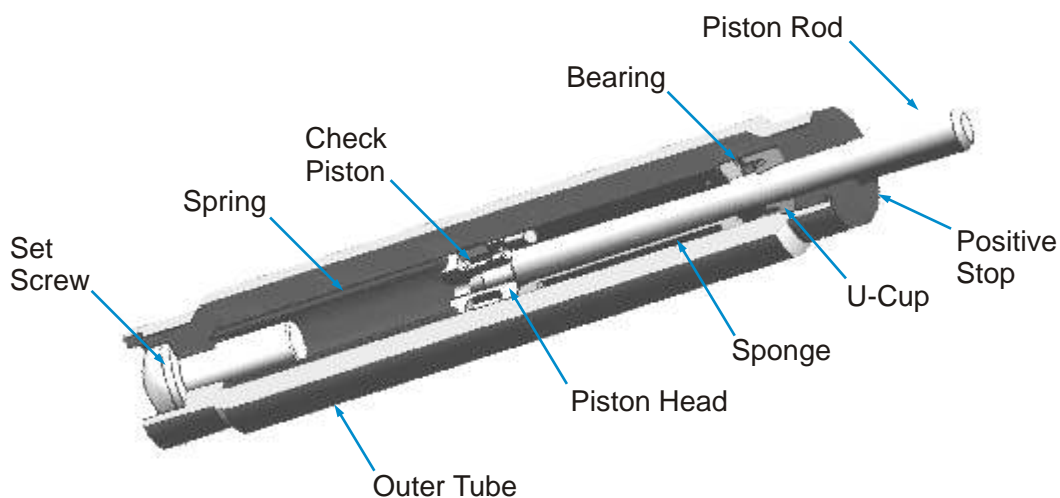
### Advantages. . .

- **Integral Mechanical Stop**
- **Hardened Stainless Steel Piston Rod**
- **Internal Accumulator**

*ACE Controls MC 5M industrial shock absorber is the smallest in the miniature family. It offers three effective weight ranges for handling a variety of load conditions. The fully threaded steel body is ideal for mounting in confined spaces.*

*This durable miniature comes standard without a button. However, a Delrin button is available as an option if desired.*

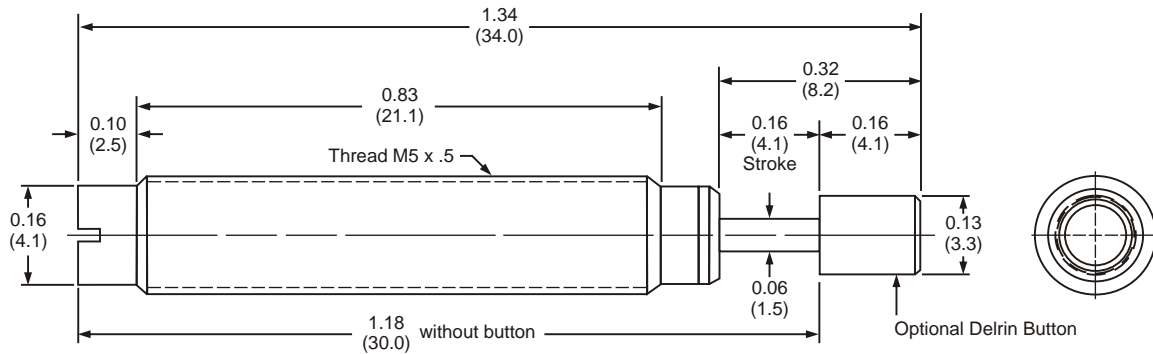
*MC 5M applications include: office and medical equipment, instrumentation, circuit board production, small slides, packaging equipment, small robotics and more.*



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World leader in deceleration technology  
ISO 9001:2000 Certified

## Dimensions in inches (millimeters)



## Specifications

Model	(We) Effective Weight lbs (kg)	(E3) Energy per Cycle in lbs (Nm)	(E4) Energy per Hour in lbs/hour (Nm/hour)	Return Force lbs (N)	Return Time (sec)	Shipping Weight lbs (kg)
MC 5M1	.22 - 2.0 (.1 - .91)	6 (0.68)	18,000 (2,040)	.22 - 1.12 (1.0 - 5.0)	0.02	0.007 (0.003)
MC 5M2	1.7 - 4.9 (.77 - 2.2)	6 (0.68)	18,000 (2,040)	.22 - 1.12 (1.0 - 5.0)	0.02	0.007 (0.003)
MC 5M3	4.4 - 11.1 (2.0 - 5.0)	6 (0.68)	18,000 (2,040)	.22 - 1.12 (1.0 - 5.0)	0.02	0.007 (0.003)

Maximum side load depends on application. For additional information consult ACE's Applications Department.

## Technical Data

**Impact velocity range:** 1.89 to 11.58 ft/sec (.58 to 3.53 m/sec)

**Oil type:** HPP-200, HPP-1000

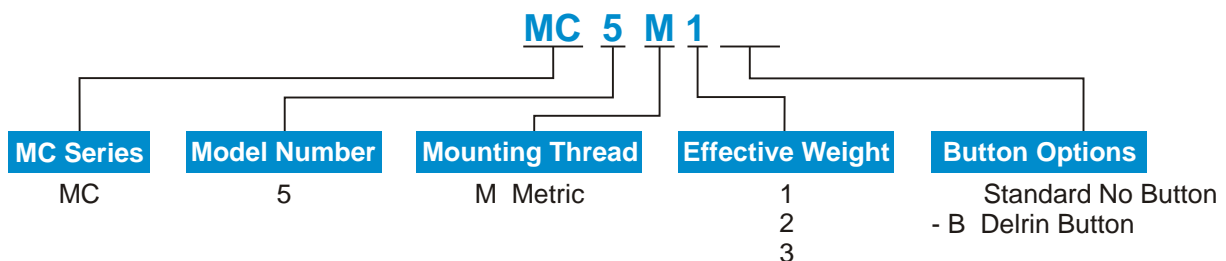
**Operating temperature:** 32° to 150° F (0° to 66° C)

**Materials:** steel body with black oxide finish, hardened stainless steel piston rod

**Mechanical stop:** integral mechanical stop built into front of shock absorber

**Lock nut torque specification:** 6 - 7 in lbs, (.68 - .79 Nm)

## Ordering Information



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