

## Extremely Sub-Miniature SM 5M Shock Absorber

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

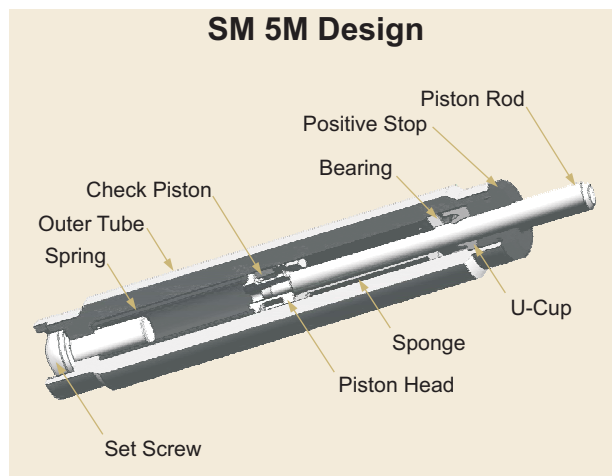


Shock absorbers shown actual size

### *SM 5M from Enertrols . . .*

Enertrols durable sub-miniature SM 5M industrial shock absorber offers three effective weight ranges for handling a variety of load conditions.

**High energy per cycle and energy per hour ratings** are key features of this versatile sub-miniature, along with an integral mechanical stop and **Weartec Plus** for outstanding corrosion protection.



## Features . . .

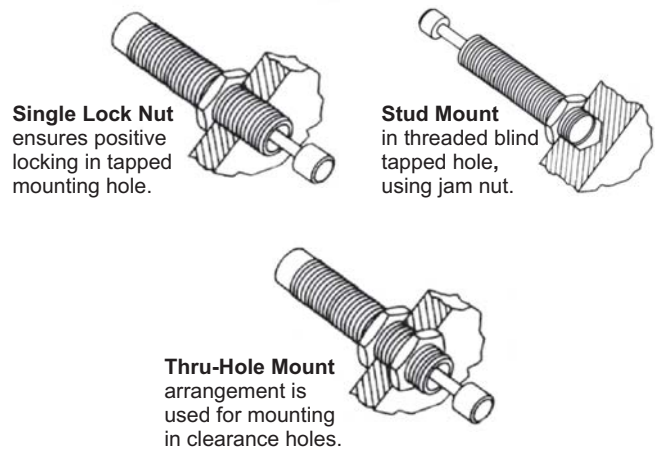
**Self-Compensating**

**6 in-lbs (0.68 Nm) Energy Per Cycle Capacity**

**Hardened Stainless Steel Piston Rod**

**Internal Accumulator**

### Typical Installations for Sub-Miniature Industrial Shock Absorbers



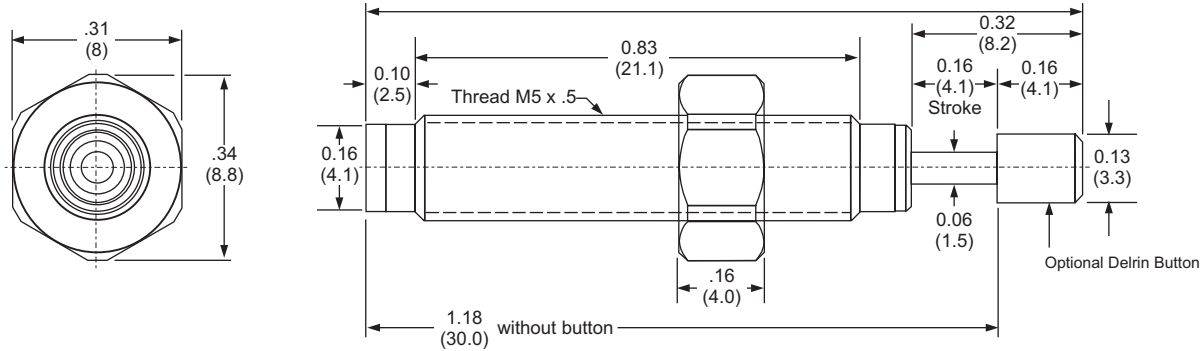
### Typical Applications

Medical Equipment  
Small Linear Slides  
Packaging Equipment  
Furniture

Instrumentation  
Electronic Equipment  
Business Machines  
Testing Equipment

# Extremely Sub-Minature SM 5M Shock Absorber

## 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)
SM 5M1	.22 - 2.0 (.1 - .91)	6 (0.68)	18,000 (2,040)	0.44 - 1.15 (1.95 - 5.11)	0.20	0.007 (0.003)
SM 5M2	1.7 - 4.9 (.77 - 2.2)	6 (0.68)	18,000 (2,040)	0.44 - 1.15 (1.95 - 5.11)	0.20	0.007 (0.003)
SM 5M3	4.4 - 11.1 (2.0 - 5.0)	6 (0.68)	18,000 (2,040)	0.44 - 1.15 (1.95 - 5.11)	0.20	0.007 (0.003)

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

## Technical Data

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

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

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

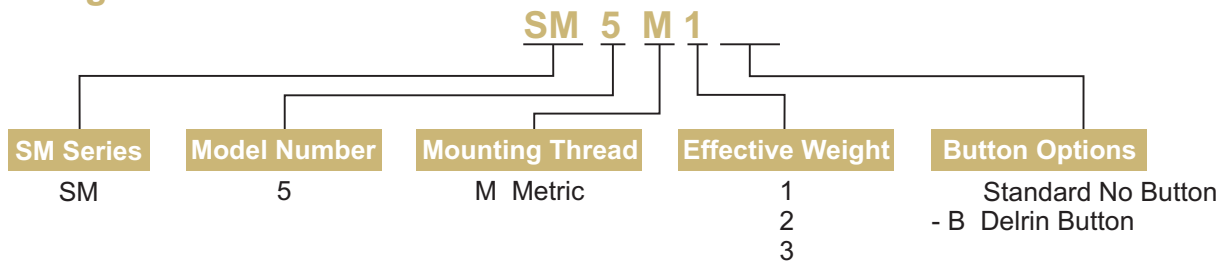
Lock nut included with shock absorber

**Oil type:** SM 5M1 & 3: HPP-200, HPP-1000

SM 5M2: MVO (# 600 W cylinder oil)

**Materials:** steel body with Weartec Plus finish, hardened stainless steel piston rod

## Ordering Information



### WARNING

IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE PERSONAL OR FATAL INJURY AND/OR PROPERTY DAMAGE.



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