

Airpot Snubber Performance *specifications*

	MODEL	2KS160S	2KS240S	2KS325S	2KS442
BORE (inches)		0.627	0.945	1.281	1.75
STROKE (inches)		1.1	1.3	2.3	2.3
ENERGY CAPACITY (FT-LBS)		0-0.3	0-.75	0-3	0-7
SPRING FORCE EXTENDED (LBS)		0.16	0.13	0.25	0.25
SPRING FORCE RETRACTED (LBS)		0.28	0.27	0.5	0.5
PUSH ROD RESET TIME – VALVE FULLY OPEN		30 ms	60 ms	70 ms	161 ms
PUSH ROD RESET TIME – VALVE FULLY CLOSED		50 ms	90 ms	150 ms	430 ms
FRICTION COEFFICIENT		0.2	0.2	0.2	0.2
PISTON FRICTION		< 1	< 1	< 4	< 8
OPERATING TEMPERATURE RANGE*		-55°C to +150°C	-55°C to +150°C	-55°C to +150°C	-55°C to +150°C

*NOTE: If operating at temperatures over 70°C (158°F) please advise the factory.

Model
2KS160S



Specifications

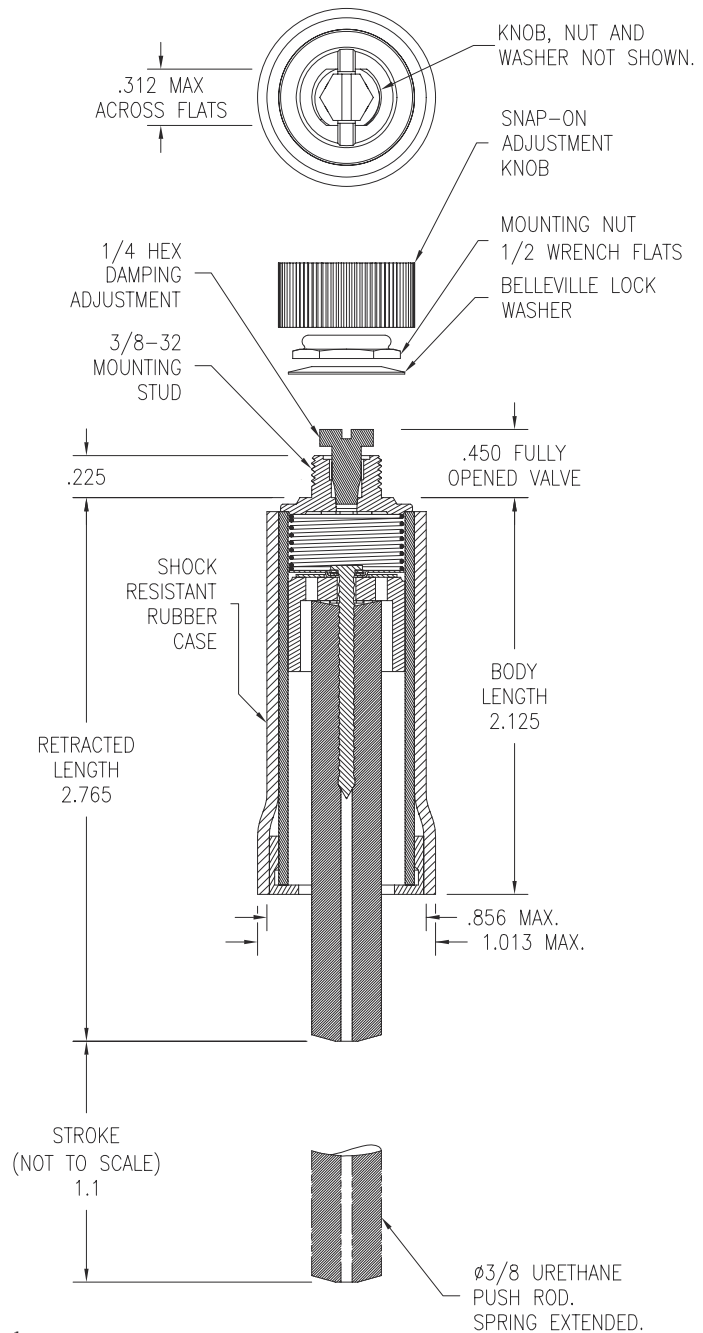
Bore: .627" (15.93 mm)

PERFORMANCE

1. **Energy Dissipation**
0-.3 ft-lb (0-.41 Nm)
2. **Spring Force**
Extended: .16 lb (0.71 N)
Retracted: .28 lb (1.25 N)
3. **Friction**
Coefficient: 0.2
Force without side load: < 1g
4. **Typical Push Rod Reset Time**
Fully Opened Valve: 30 ms
Fully Closed Valve: 50 ms
5. **Operating Temperature Range**
-55°C to +150°C
If operating at temperatures above +70°C, please advise factory.

MOUNTING DATA

6. **Mounting Hole**
Rectangular: .312" x .375" or
8 mm x 10 mm
Round: .375" or 10 mm
7. **Suggested Mounting Bracket Thickness**
.060"-.125" (1.52-3.18 mm)
8. **Mounting Nut Torque**
Head: 4-8 in-lb (0.45 to 0.90 Nm)



FULL SCALE
All dimensions in inches unless otherwise specified

Model

2KS240S



Specifications

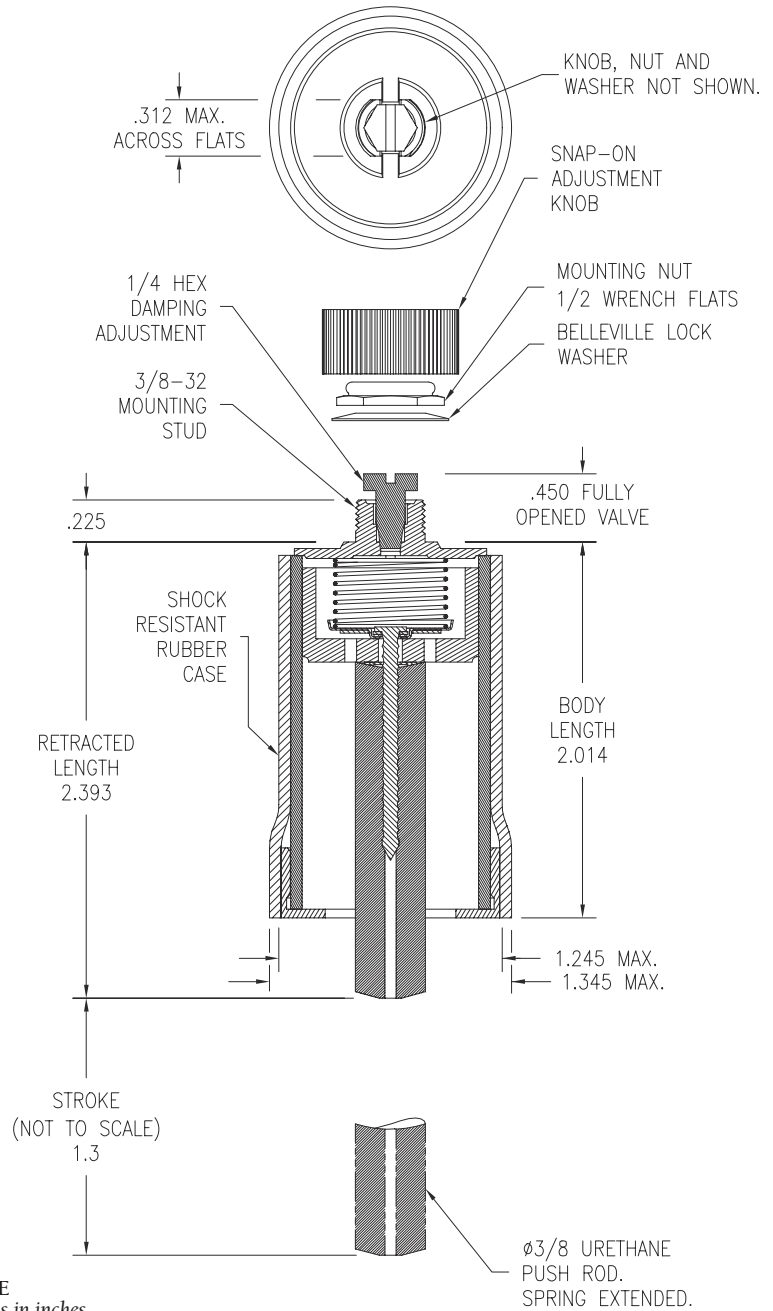
Bore: .945" (24 mm)

PERFORMANCE

1. **Energy Dissipation**
0-.75 ft-lb (0-1.02 Nm)
2. **Spring Force**
Extended: .13 lb (0.56 N)
Retracted: .27 lb (1.20 N)
3. **Friction Coefficient:** 0.2
Force without side load: <1g
4. **Typical Push Rod Reset Time**
Fully Opened Valve: 60 ms
Fully Closed Valve: 90 ms
5. **Temperature Range** -55°C to +150°C
If operating at temperatures above +70°C, please advise factory.

MOUNTING DATA

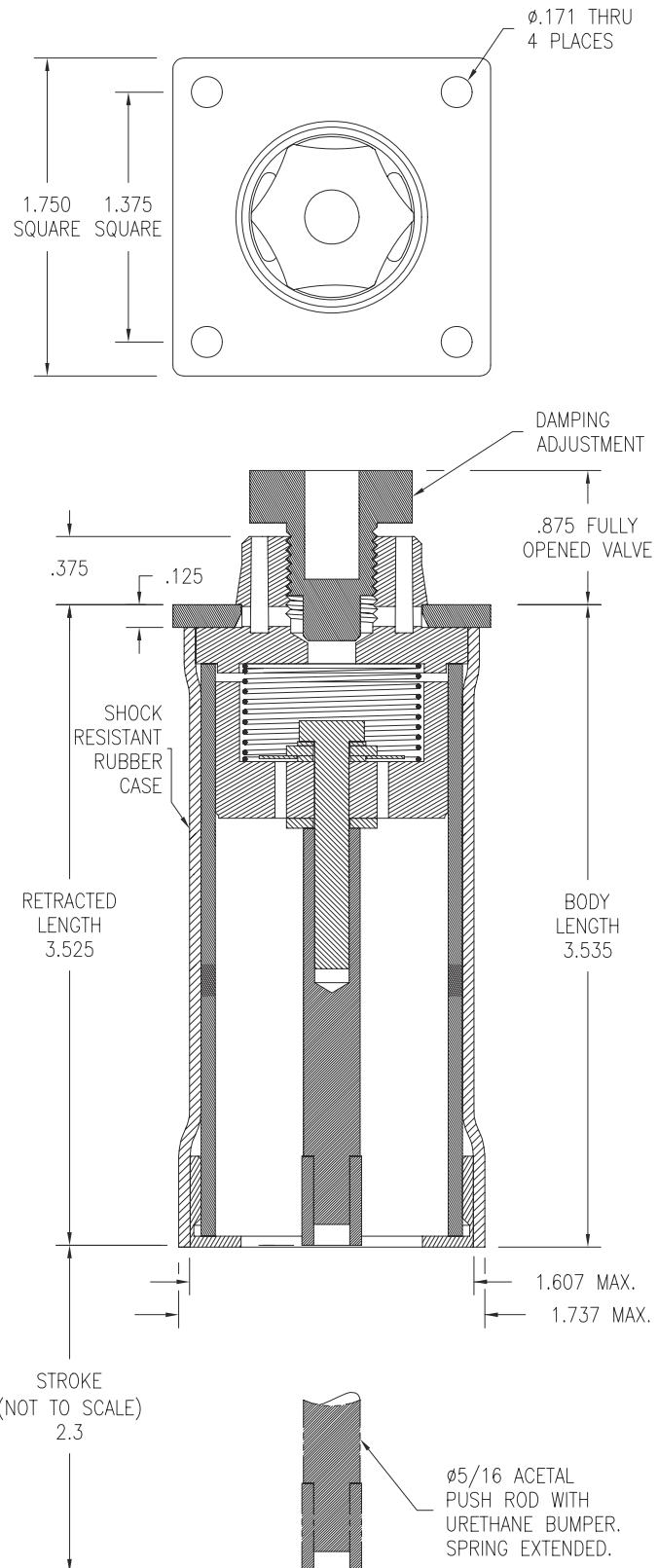
6. **Mounting Hole**
Rectangular: .312" x .375" or 8 mm x 10 mm
Round: .375" or 10 mm
7. **Suggested Mounting Bracket Thickness**
.060"-.125" (1.52-3.18)
8. **Mounting Nut Torque**
Head: 4-8 in-lb (0.45 to 0.90 Nm)



FULL SCALE
All dimensions in inches unless otherwise specified

Model

2KS325S



Specifications

Bore: 1.281" (32.53 mm)

PERFORMANCE

1. **Energy Dissipation**
0–3 ft-lb (0–4.10 Nm)
2. **Spring Force**
Extended: .25 lb (1.11 N)
Retracted: .50 lb (2.22 N)
3. **Friction**
Coefficient: 0.2
Force without side load: <4g
4. **Typical Push Rod Reset Time**
Fully Opened Valve: 70 ms
Fully Closed Valve: 150 ms
5. **Operating Temperature Range**
-55°C to +150°C
If operating at temperatures above +70°C, please advise factory.

FULL SCALE
All dimensions in inches
unless otherwise specified

Model

2KS444S

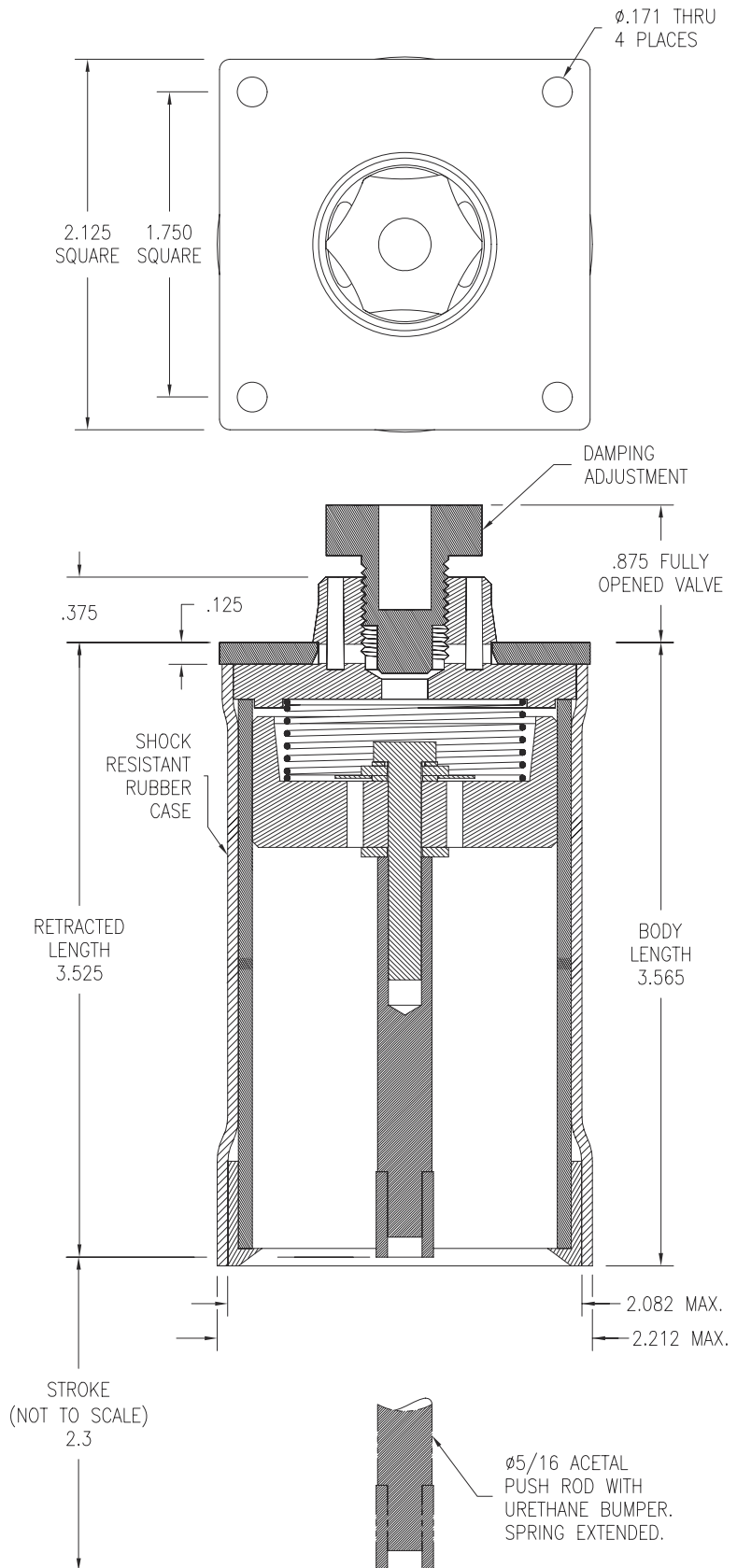


Specifications

Bore: 1.750" (44.40 mm)

PERFORMANCE

1. **Energy Dissipation**
0–7 ft-lb (0–9.49 Nm)
2. **Spring Force**
Extended: .25 lb (1.11 N)
Retracted: .50 lb (2.22 N)
3. **Friction Coefficient:** 0.2
Force without side load: <8g
4. **Typical Push Rod Reset Time**
Fully Opened Valve: 161 ms
Fully Closed Valve: 430 ms
5. **Temperature Range** -55°C to +150°C
If operating at temperatures above +70°C, please advise factory.



FULL SCALE
All dimensions in inches
unless otherwise specified