



## Attributes

- High deflection capability for shock load
- Axial to Radial Stiffness ratio 1:1
- Compact, low profile design
- Easy to install
- High Damped Silicone
- Aluminum construction
- Can be used in tandem for higher deflection capability

## Applications

- Military computer applications
- Electronics on aircraft applications
- Avionics and racking
- Random vibration environments

## Shock and Vibe

- Attenuates a 15g, 11 millisecond half-sine shock to 6 g's
- Survives a 30g, 11 millisecond half-sine crash safety shock

## Load Range

- 1829-1N = load ratings to 7 lbs.
- 1829-2N = load ratings to 10 lbs.
- 1829-3N = load ratings to 15 lbs.
- 1829-1S = load ratings to 7 lbs.
- 1829-2S = load ratings to 10 lbs.
- 1829-3S = load ratings to 15 lbs.

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## Specifications

- Natural Frequency—12-20 Hertz
- Transmissibility at resonance—4.0 max. (Hi-damped silicone), 10:1 max. (Neoprene)
- Resilient Element—Hi-Damped Silicone or Neoprene
- Standard materials—Aluminum (Grounding Strap Beryllium Copper)
- Weight = 2.0 oz.

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## Elastomeric Data

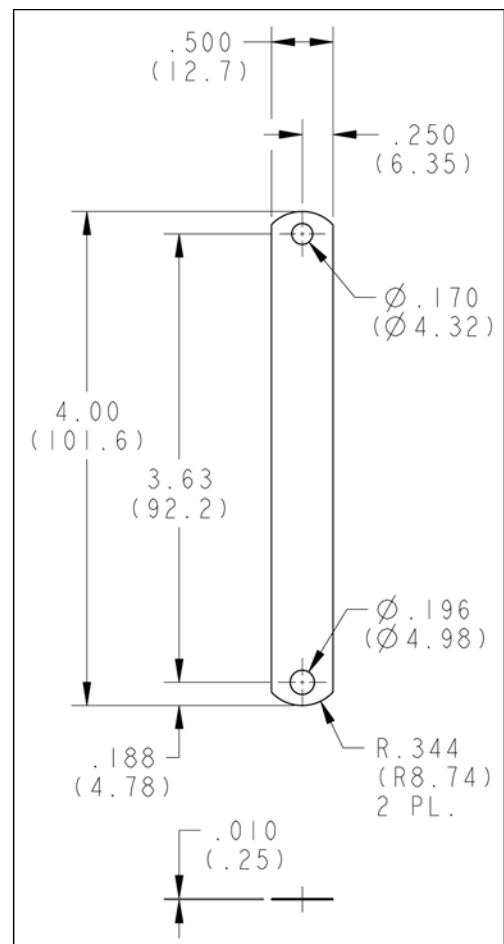
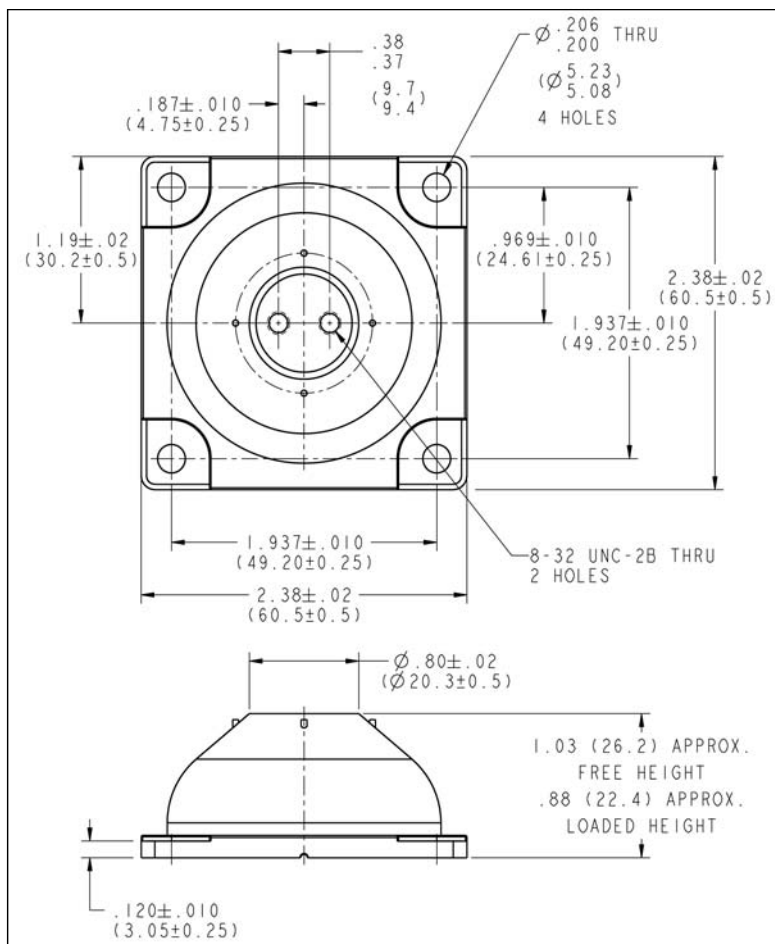
- Hi-Damp Silicone operating temperature range of -67°F to +300°F (-55°C to +150°C) and is resistant to fungus and ozone
- Neoprene has an operating temperature range of -40°F to 200°F (-40°C to +93°C) and is resistant to oil and ozone

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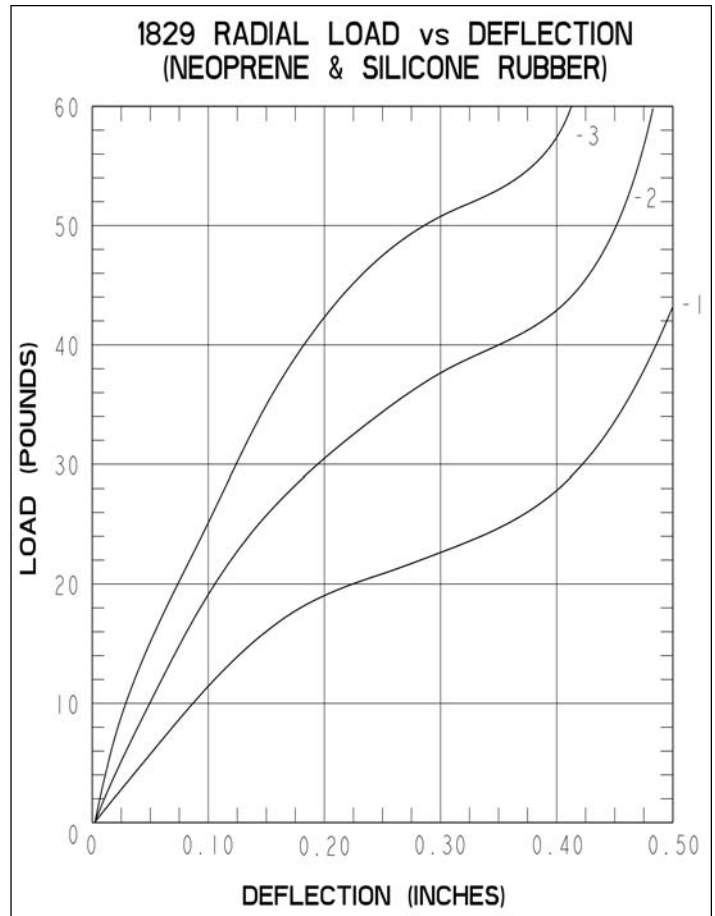
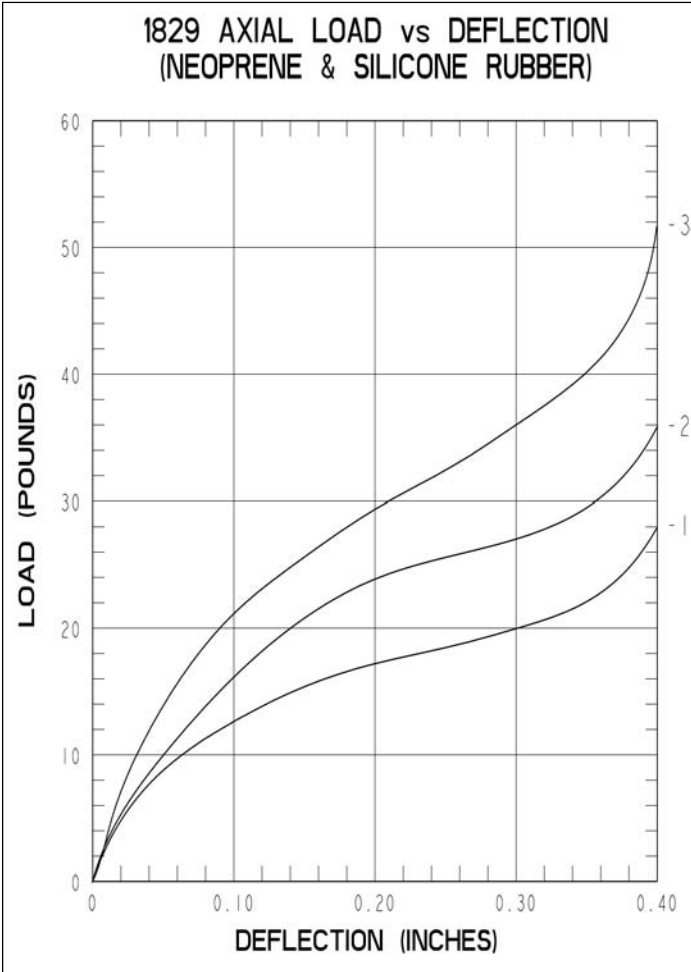
Specifications subject to change without notice. Check with factory for latest revisions. The Federal Trade Commission considers no existing test methods or standards regarding flammability as accurate indicators of the performance of cellular plastic materials under actual fire conditions. Results of existing test methods, such as UL-94, MVSS-302, SAE J-369, and FAR 25.853 are intended only as measurements of the performance of such materials under specific controlled test conditions. Any flammability ratings shown are not intended to reflect hazards presented by these materials under actual fire conditions. The information contained herein is based on laboratory test data developed for PTI and is believed to be reliable, but its accuracy or completeness is not guaranteed. The buyer must test any product to determine the suitability for his specific application before use. PTI DISCLAIMS ANY RESPONSIBILITY FOR: 1) WARRANTIES OF FITNESS AND PURPOSE, 2) VERBAL RECOMMENDATIONS, 3) CONSEQUENTIAL DAMAGES FROM USE AND 4) VIOLATION OF ANY PATENTS OF TRADEMARKS HELD BY OTHERS.



Part #	Maximum Axial Compression	Load (lbs.) Radial	Axial Natural Frequency (HZ)	Standard Material	Standard Elastomer	Transmissibility at Resonance
1829-1N	5-7	5-7	14	6061-T6 Aluminum	Neoprene Rubber	10:1
1829-2N	7-10	7-10	15	6061-T6 Aluminum	Neoprene Rubber	10:1
1829-3N	10-15	10-15	14	6061-T6 Aluminum	Neoprene Rubber	10:1
1829-1S	5-7	5-7	14	6061-T6 Aluminum	Hi-Damp Silicone	4:1
1829-2S	7-10	7-10	14	6061-T6 Aluminum	Hi-Damp Silicone	4:1
1829-3S	10-15	10-15	14	6061-T6 Aluminum	Hi-Damp Silicone	4:1



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