



Applications

- Shipboard equipment
- Mobile platforms
- Avionics
- Rack mounted systems
- Military radios
- Weapons system

Load Range

- 1872-1 = load ratings to 600 lbs./mount max.
- 1872-2 = load ratings to 800 lbs./mount max.
- 1872-3 = load ratings to 1400 lbs./mount max.
- 1872-4 = load ratings to 1800 lbs./mount max.

Shock & Vibe

- Attenuates a 10g, 11 millisecond half-sine shock to 2 g's
- Survives a 30g, 11 millisecond half-sine
- Passes MIL-STD-167 vibration

Attributes

- Fail-safe
- All-attitude design
- Compact, low profile design
- Easy to install
- High damped Silicone, Neoprene or Natural Rubber
- Zinc plated steel construction
- Can be used in tandem for higher deflection capability

Specifications

- Natural Frequency—20-45 Hertz
- Transmissibility at resonance—4 max. (Hi-damp Silicone), 10 max. (Neoprene), 10 max. (Natural Rubber)
- Resilient Element—Hi-damp Silicone, Natural Rubber, Neoprene
- Standard materials—Zinc plated steel
- Weight—Size 3 = 10 lbs.

Elastomeric Data

- High-Damp Silicone has an operating temperature of -67°F to $+300^{\circ}\text{F}$ (-55°C to $+150^{\circ}\text{C}$) and is resistant to ozone, fungus and most solvents.
- Other elastomeric formulations are available in BUNA-N, Butyl, Polybutadiene and Neoprene.
- Neoprene has an operating range of -40°F to 200°F (-40°C to $+93^{\circ}\text{C}$) and is used where oil immersion is present.
- Natural Rubber has an operating range of -25°F to $+160^{\circ}\text{F}$ (-37°C to $+70^{\circ}\text{C}$) and is used in high dynamic amplitude environments.

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Part #	Size	Maximum Load (lbs.)	Load Range Shock lbs.	Free Height	Resilient Material	Structural Material	Core Style	Center Hole	Flange Holes	Transmissibility at Resonance Max.
1872-1SA	3	600	80-120	3.56	Hi-Damp Silicone	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	4:1
1872-2SA	3	800	120-185	3.56	Hi-Damp Silicone	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	4:1
1872-3SA	3	1400	185-285	3.56	Hi-Damp Silicone	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	4:1
1872-4SA	3	1800	285-530	3.56	Hi-Damp Silicone	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	4:1
1872-1SB	3	600	80-120	3.56	Hi-Damp Silicone	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	4:1
1872-2SB	3	800	120-185	3.56	Hi-Damp Silicone	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	4:1
1872-3SB	3	1400	185-285	3.56	Hi-Damp Silicone	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	4:1
1872-4SB	3	1800	285-530	3.56	Hi-Damp Silicone	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	4:1

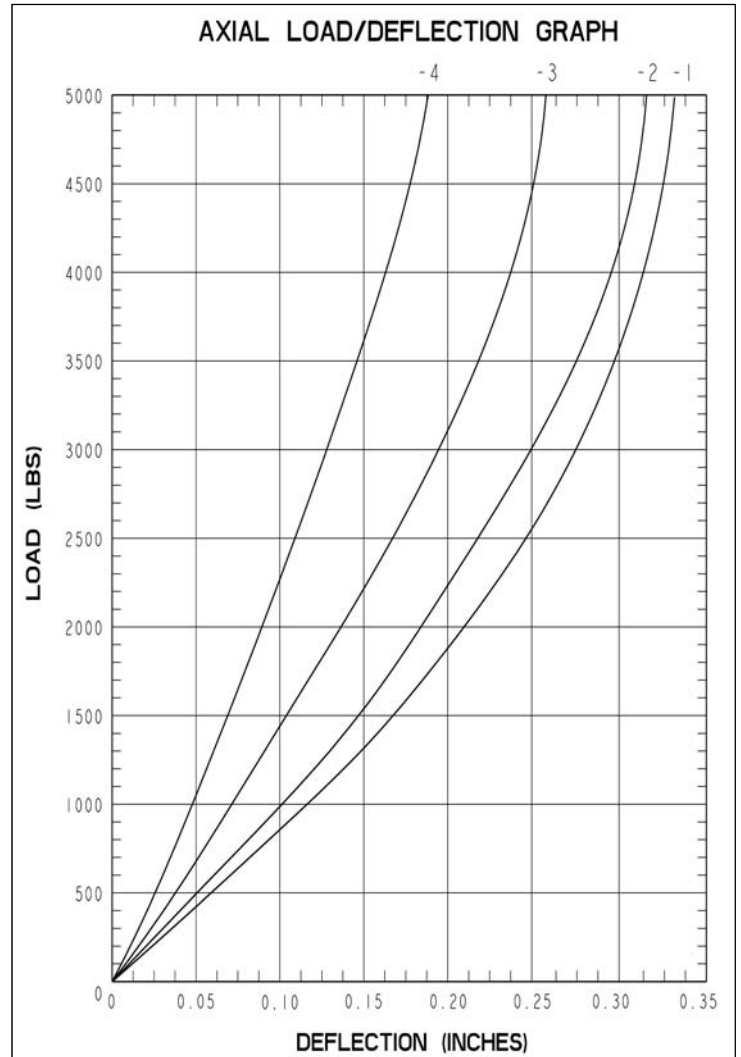
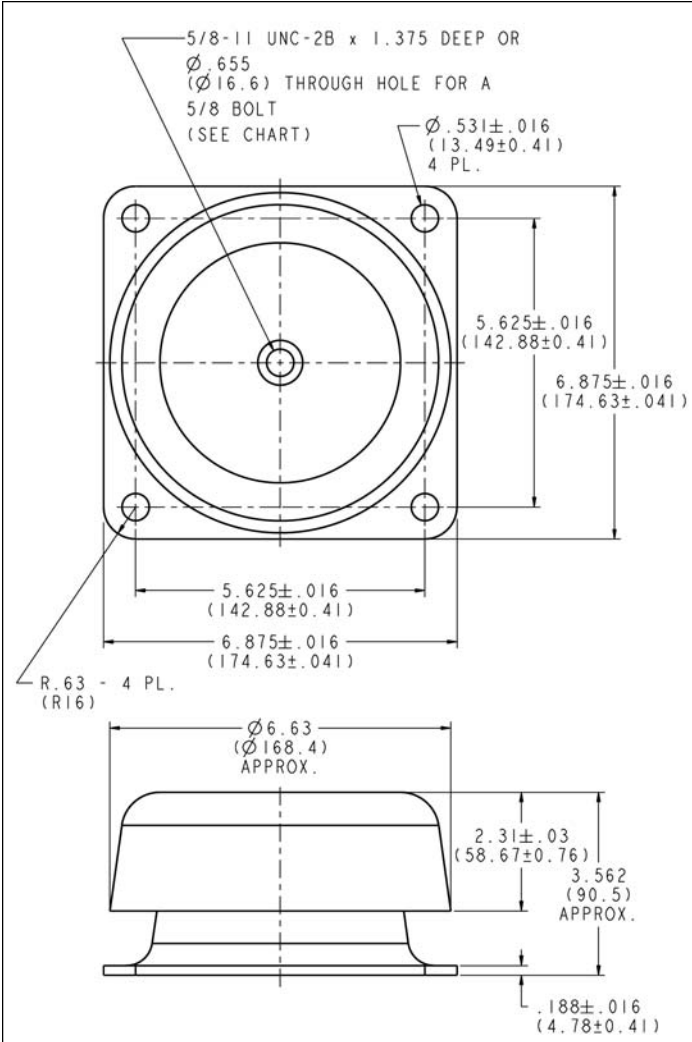
Part #	Size	Maximum Load (lbs.)	Load Range Shock lbs.	Free Height	Resilient Material	Structural Material	Core Style	Center Hole	Flange Holes	Transmissibility at Resonance Max.
1872-1NA	3	600	80-120	3.56	Neoprene	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	10:1
1872-2NA	3	800	120-185	3.56	Neoprene	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	10:1
1872-3NA	3	1400	185-285	3.56	Neoprene	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	10:1
1872-4NA	3	1800	285-530	3.56	Neoprene	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	10:1
1872-1NB	3	600	80-120	3.56	Neoprene	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	10:1
1872-2NB	3	800	120-185	3.56	Neoprene	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	10:1
1872-3NB	3	1400	185-285	3.56	Neoprene	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	10:1
1872-4NB	3	1800	285-530	3.56	Neoprene	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	10:1

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Part #	Size	Maximum Load (lbs.)	Load Range Shock lbs.	Free Height	Resilient Material	Structural Material	Core Style	Center Hole	Flange Holes	Transmissibility at Resonance Max.
1872-1NRA	3	600	80-120	3.56	Natural Rubber	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	10:1
1872-2NRA	3	800	120-185	3.56	Natural Rubber	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	10:1
1872-3NRA	3	1400	185-285	3.56	Natural Rubber	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	10:1
1872-4NRA	3	1800	285-530	3.56	Natural Rubber	Zinc Plated Steel	Threaded	5/8-11 UNC -2B	Ø.531	10:1
1872-1NRB	3	600	80-120	3.56	Natural Rubber	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	10:1
1872-2NRB	3	800	120-185	3.56	Natural Rubber	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	10:1
1872-3NRB	3	1400	185-285	3.56	Natural Rubber	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	10:1
1872-4NRB	3	1800	285-530	3.56	Natural Rubber	Zinc Plated Steel	Thru Hole	Ø.655	Ø.531	10:1

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