

Applications

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

Load Range

- 1871-1 = load ratings to 50 lbs./mount max.
- 1871-2 = load ratings to 100 lbs./mount max.
- 1871-3 = load ratings to 150 lbs./mount max.
- 1871-4 = load ratings to 250 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 2 = 1 lb.

Elastomeric Data

- High-Damp Silicone has an operating temperature of -67°F to +300°F (-55°C to +150°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°C) and is used where oil immersion is present.
- Natural Rubber has an operating range of -25°F to +160°F (-37°C to +70°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.
1871-1SA	2	50	15-30	1.56	Hi-Damp Silicone	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	4:1
1871-2SA	2	100	30-50	1.56	Hi-Damp Silicone	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	4:1
1871-3SA	2	150	50-80	1.56	Hi-Damp Silicone	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	4:1
1871-4SA	2	250	80-105	1.56	Hi-Damp Silicone	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	4:1
1871-1SB	2	50	15-30	1.56	Hi-Damp Silicone	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	4:1
1871-2SB	2	100	30-50	1.56	Hi-Damp Silicone	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	4:1
1871-3SB	2	150	50-80	1.56	Hi-Damp Silicone	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	4:1
1871-4SB	2	250	80-105	1.56	Hi-Damp Silicone	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	4:1

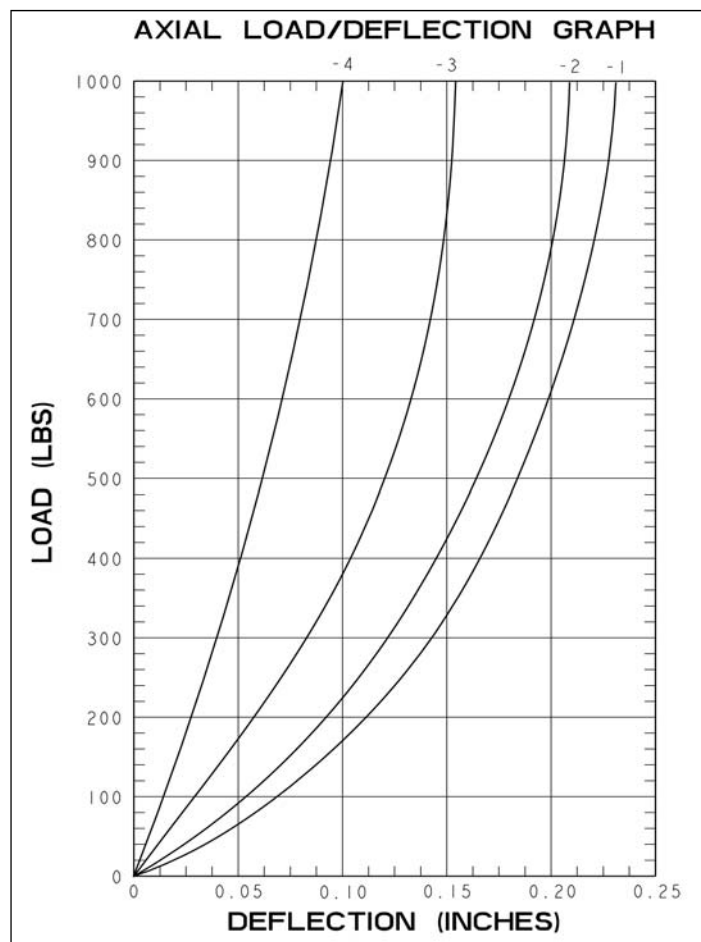
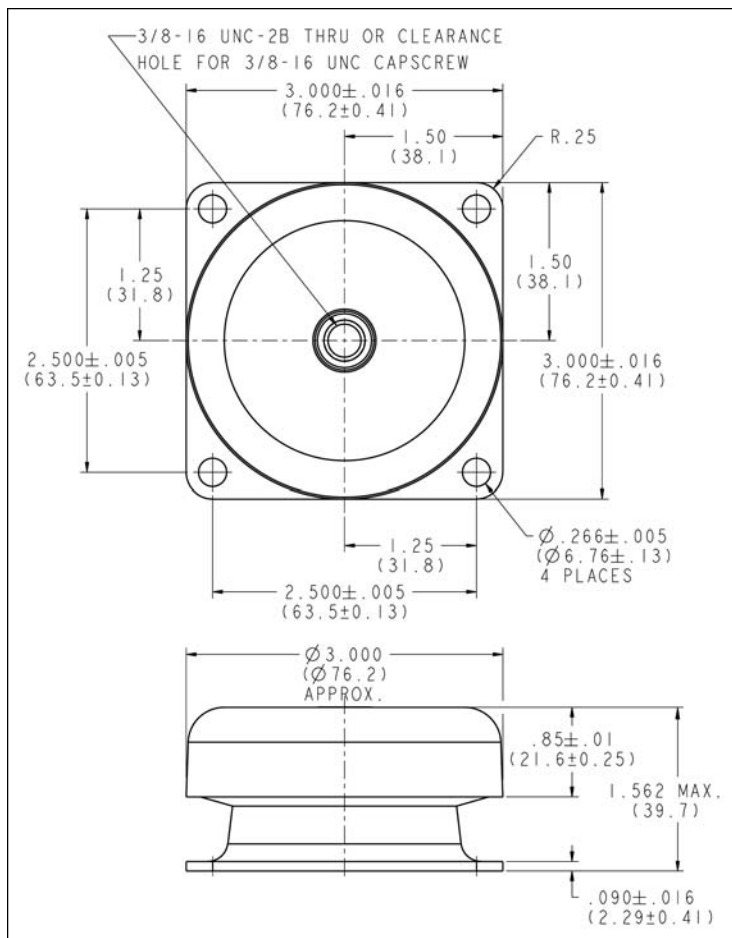
Part #	Size	Maximum Load (lbs.)	Load Range Shock lbs.	Free Height	Resilient Material	Structural Material	Core Style	Center Hole	Flange Holes	Transmissibility at Resonance Max.
1871-1NA	2	50	15-30	1.56	Neoprene	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	10:1
1871-2NA	2	100	30-50	1.56	Neoprene	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	10:1
1871-3NA	2	150	50-80	1.56	Neoprene	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	10:1
1871-4NA	2	250	80-105	1.56	Neoprene	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	10:1
1871-1NB	2	50	15-30	1.56	Neoprene	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	10:1
1871-2NB	2	100	30-50	1.56	Neoprene	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	10:1
1871-3NB	2	150	50-80	1.56	Neoprene	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	10:1
1871-4NB	2	250	80-105	1.56	Neoprene	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	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.
1871-1NRA	2	50	15-30	1.56	Natural Rubber	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	10:1
1871-2NRA	2	100	30-50	1.56	Natural Rubber	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	10:1
1871-3NRA	2	150	50-80	1.56	Natural Rubber	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	10:1
1871-4NRA	2	250	80-105	1.56	Natural Rubber	Zinc Plated Steel	Threaded	3/8-16 UNC -2B	Ø.266	10:1
1871-1NRB	2	50	15-30	1.56	Natural Rubber	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	10:1
1871-2NRB	2	100	30-50	1.56	Natural Rubber	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	10:1
1871-3NRB	2	150	50-80	1.56	Natural Rubber	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	10:1
1871-4NRB	2	250	80-105	1.56	Natural Rubber	Zinc Plated Steel	Thru Hole	Ø.391	Ø.266	10:1

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