

# RSM Series Elastomer Shock and Vibration Mounts

## RSM1 & 3 Series

The RSM1 & 3 series mounts are fully bonded, fail-safe, neoprene elastomer mounts designed to provide shock and vibration isolation for a variety of applications in the light to medium load range. The mount can be provided in a ductile iron outer housing for seismic or heavy duty applications, or with an aluminum cast housing for applications where weight is a critical consideration.

### Features/Benefits

- Static Load Ranges from 250 to 1300 lbs.
- Axial and Radial Loading
- Structureborne noise attenuation
- Fail-Safe Design
- Natural Frequency 8Hz at max. rated load
- Furnished as complete assembly for ease of installation

### Construction/Material Data

- Housing - cast aluminum, heat treated. Also available in a ductile iron housing for seismic or heavy duty applications
- Hardware - carbon steel, zinc plated
- Elastomer - Neoprene
  - Resists oils, ozone and most solvents
  - Operating Temperature (-20°F to +180°F)
  - Damping Ratio  $C/C_c = 0.1$  (transmissibility approx. 5:1 at resonance)

### Applications

- Marine, Vehicular and Stationary Equipment
  - Engine Generators and Compressors
  - Pumps and Centrifuges
  - Electric Motors and Transformers
  - Roof-top equipment subjected to seismic and severe wind loads
  - Engine/Drive Trains
  - Marine propulsion equipment



### Notes:

1. For aluminum housing order RSMA1 or RSMA3
2. Finish: Black paint
3. Weight: RSM1 — 2.9 lbs., RSM3 — 14.8 lbs.  
RSMA1 — 1.7 lbs., RSMA3 — 8.1 lbs.
4. Stiffness Ratio: Axial / Radial = 1 / 3.5 (approx.)
5. Mount supplied with hardware shown in DETAIL 'A'



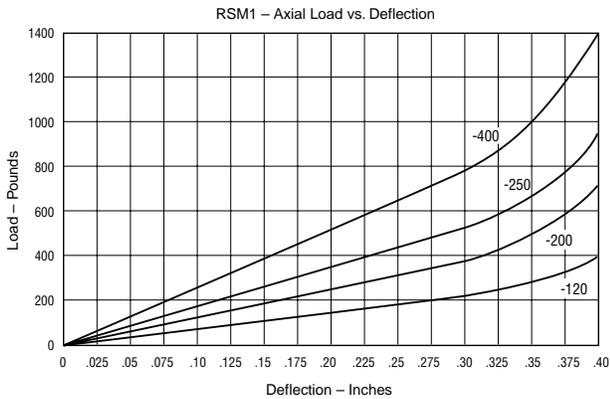
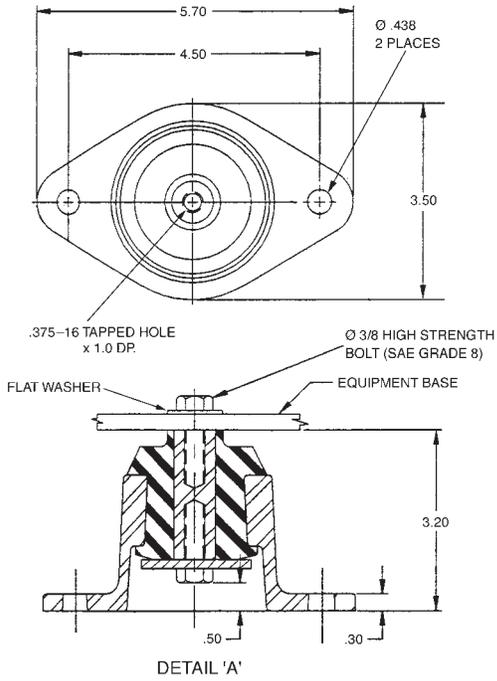
**DFA Sales**

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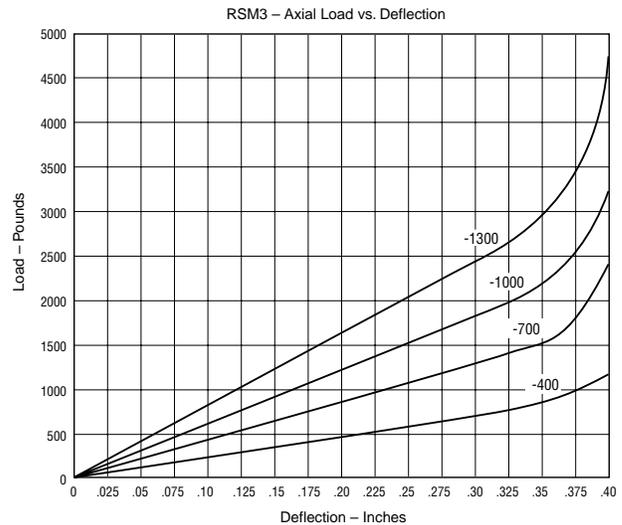
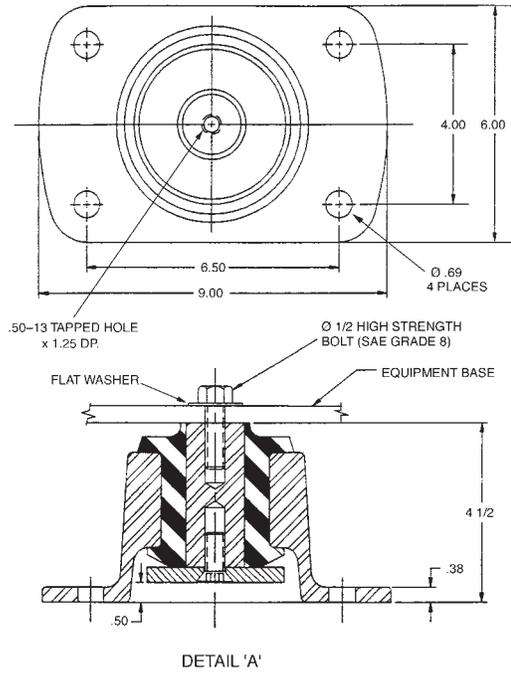
# RSM1 Series

Part Number	Load Range (pounds)	Deflection at Max. Load (in.)
RSM1-120	60-120	.15
RSM1-200	100-200	.15
RSM1-250	125-250	.15
RSM1-400	200-400	.15



# RSM3 Series

Part Number	Load Range (pounds)	Deflection at Max. Load (in.)
RSM3-400	250-400	.15
RSM3-700	400-700	.15
RSM3-1000	700-1000	.15
RSM3-1300	1000-1300	.15



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