

S-MOUNT SERIES (S22/S44/S64)

Low-frequency variable air-damped mounts for a high level of vibration isolation.

APPLICATIONS

- Military & commercial airborne equipment
- Computers and storage devices
- Optical devices & instrumentation
- Lasers
- Clinical diagnostic equipment

FEATURES

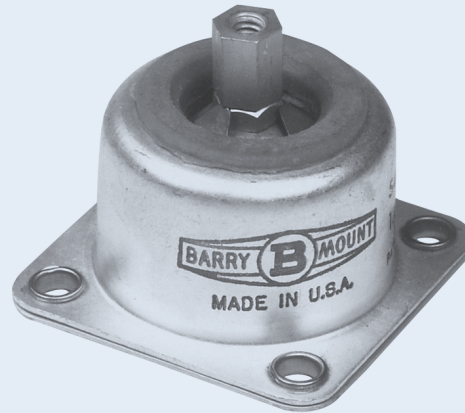
- Low resonant transmissibility
- 2 stage air-damping
- Low natural frequency isolation
- Axial to radial stiffness ratio of 4:1
- Fail safe construction

BENEFITS

- Up to 90% isolation efficiency with inputs as low as 40 Hz.
- Variable air-damping provides increasing isolation efficiency in high-frequency regions, even when input excursions become small

LOAD RANGE

- S22 = 6 load ratings from .3 - 3 lbs. per mount
- S44 = 7 load ratings from .25 - 9 lbs. per mount
- S64 = 7 load ratings from 2.0 - 35 lbs. per mount



Barry S-Mounts are air-damped isolators and are designed to provide the highest degree of vibration isolation for sensitive commercial and military airborne equipment. S-Mounts are particularly effective at isolating low level vibration.

Specifications

- | | |
|---------------------------------|--|
| • Natural Frequency | 7-10 Hertz vertical |
| • Transmissibility at resonance | 3.5 Max. at sea level
Approx. 4.3 at 50,000 |

feet

- | | |
|----------------------|---|
| • Resilient Element | Air-damped spring |
| • Standard Materials | Varies with model |
| • Weight | S22 = 0.5 oz.
S44 = 2.5 oz.
S64 = 5.0 oz. |

Environmental Data

- Silicone Air Chambers and Snubbers have operating temperature ranges of -67°F to +300°F (-55°C to +150°C).
- Mounts meet all applicable standards of MIL-C-172 and are fungus and oil resistant.