
Vibration Isolation Hangers

Vibration isolation hangers are used for isolate noise and vibration from pipe/duct or ceiling mount equipment transmission.

When suspending equipments from very wide vibration sensitive spans that may be necessary to cancel the effects of the span's own deflection. The primitive forms are neoprene hangers, spring hangers and combination of spring and neoprene hangers.

"MASON" Type HD

Double Deflection Neoprene Hangers

HD hangers perform the best when used on equipment located adjacent to stiff support walls and columns, and suspended from narrow rigid upper building spans and used mostly on non-critical vibration sensitive areas.



Features

- ◆ Maximum rated deflection is 0.40 inch
- ◆ Isolators selected must have a static deflection at least three times greater than the span's deflection to insure minimum effective vibration control
- ◆ Vibration isolation efficiency is around 87%

Applications

- ◆ Suitable for smaller equipment running above 800RPM in non-critical areas

"MASON" Type 30N

30 Degree Swing Hangers with Double Deflection Neoprene Element

30N spring hangers feature a lower rod that can swing up to 30° for ease in installation to compensate for misalignment. Spring and neoprene element in conjunction remove high and low frequency noise.

Features

- ◆ Designation 30 means the rod can swing through an arc of 30 degrees from side to side in any direction before contacting the neoprene bushing
- ◆ Vibration isolation efficiency is around 95%
- ◆ Spring rated load range is between 23lbs to 2760lbs
- ◆ Spring hangers provide good vibration isolation over broadband frequency and high frequency transmission is further reduced by the neoprene element at hanger top
- ◆ Rigid hanger box with casing load capacity designed at min. 3.5 times of the spring rated capacity
- ◆ Versatile of uses in all ceiling mount equipment and pipes

Applications

- ◆ Suitable for ductwork suspension, suspending pipe lines where twin-sphere rubber connectors or for ceiling mount blowers or AHUs, etc.

