

ACOUSTIC ISOLATION HANGER

PHUCLIP

SYSTEM DRAWING



* Not included

DESCRIPTION

USG ME Acoustic Isolation Hanger is a strong bracket in various shapes and dimensions of which the upper or lower horizontal part presents an inserted Anti-Vibrate Rubber part disposing of an internal 8mm threaded rod distancing to a max.

The USG ME Acoustic Isolation Hanger is designed to decouple wall framing and ceiling systems. The resilient Anti-Vibration rubber used in the Hanger, absorb energy and improve STC (airborne) and IIC (impact) acoustic ratings.

The Hangers used in a variety of wall and ceiling applications, where structural support combined with vibration isolation is required.

Anti-vibration rubber

The anti-vibration rubber support is the ideal solution for vibration problems caused by low weigh machines. In addition, it is a great solution for the anti-vibration support of low axial loads. The anti-vibration rubber provides a greater deflection with load. It can be screwed with an anchor into the floor, or it can be suspended on the ceiling through anchor rods or even be placed on a metal base with a passing through screw of M8 mm. These screws do not create any sound bridge due to their innovative design

APPLICATIONS

For all types of suspended ceilings in areas where low and high frequency vibrations have to be dampened:

- Cinemas theaters
- Auditorium
- Radio studios
- Air condition units
- Ventilators, etc.

MATERIALS

Main body

- Mild steel to DIN EN 10111/10051 protected by zinc plate to DIN 50961
- A hole 14 mm on the top and a thread M6 hole at the bottom

Vibration isolator

- Special rubber pad

INSTALLATION

Various hanger assemblies can be installed such as the internally threaded U Bracket inserted as a vibration break between two threaded rods or as a direct support for the primary channel of the USG Middle East ceiling system avoiding the use of multiple intermediary brackets. The USG Acoustic Isolation Hanger is used for the USG Middle East acoustic ceiling consisting of multiple layers of gypsum boards screw fixed to USG Middle East furring channels on primary channels and backed with a low density 100 mm fiberglass blanket.

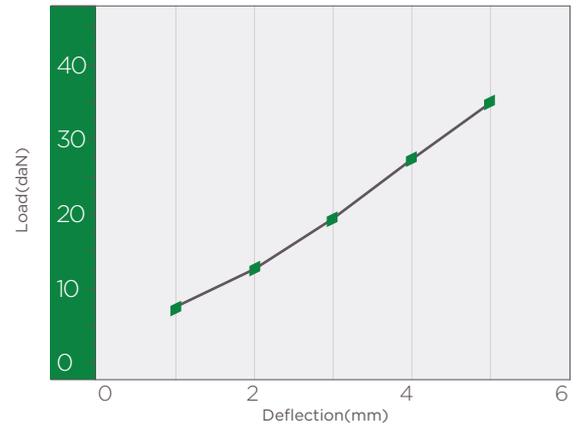
At very low frequency a consistent absorption increase will be achieved (see below graph).

Note: the bracket has to be installed pre-compressed by tightening the nut & washer on top of the bracket.

LOAD AND DEFLECTION

Dynamic Characteristics

Load Range 8 - 20 daN,
Load Range 20 - 50 daN



Disclaimer:

Information contained in this document is subject to change without prior notice due to our ongoing product development. We recommend referring to the website usgme.com for the most up-to-date and accurate product information.

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