

# MADA ACOUSTIC HANGER

## Technical Data Sheet

TDS-ACC-R55-Rev1 Mada Acoustic Hanger - July 2022



### Product Description

The Mada Acoustic Hanger is a sturdy U-shaped bracket with a lip on one end. The acoustic hanger has a vibration-dampening rubber component that is built to accommodate an internal threading for a threaded rod, which effectively dampens vibrations even at low frequencies, acoustically separating structure from ceiling.

### Field of Application

Mada Acoustic Hangers are a particularly designed component of Mada Mass Barrier Ceilings to be used in places like theaters, auditoriums, studios, etc. where low frequency vibrations need to be muted,

### Product Characteristics

Parameters	Details
Material	Galvanized Steel / Rubber Isolator
Hardness	(Shore A) ≤ 70
Thickness	1.5mm BMT
Threaded	Rod M6 & M8
Working Load	50kg
Steel Grade	G250

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### Product Characteristics

Vibration Absorption for Mada Acoustic Hanger	23 Hz	25 Hz	30 Hz	35 Hz	45 Hz	60 Hz	80 Hz	100 Hz
Revolution Speed of Equipment f (rmp/min-1)	1380	1500	1800	2100	2700	3600	4800	6000
Vibration Transmissibility Tr (%)	158.1	107.6	56.3	36	19.1	9.9	5.3	3.4
Vibration Isolation Efficiency 100-Tr (%)	-58.1	-7.6	43.8	64	81	90.1	94.7	96.7
Quantity of Decrement of Vibration TL (dB)	-4	-0.6	5.0	8.9	14.4	20.1	25.5	29.5
Natural Frequency $f_n$ 18 Hz   Deflection rate 1.0 mm								

### Handling and Storage

Puncture resistant gloves and safety goggles should be used when handling the product. Store in dry conditions.