

# M50R

## Ceiling Isolation Hangers



### DESCRIPTION

Resilmount M50R Resilient Isolation Hangers are specifically designed for the support and acoustical isolation of internal suspended ceiling systems.



### SPECIFICATIONS

| Code     | Clip height | Minimum Deflection* | Weight capacity* | Colour |
|----------|-------------|---------------------|------------------|--------|
| M50R-RED | 100mm       | 3mm                 | 29kg             | Red    |
| M50R-BLK | 100mm       | 3mm                 | 54kg             | Black  |
| M50R-BLU | 100mm       | 3mm                 | 91kg             | Blue   |

\*Minimum deflection at minimum weight.



### FEATURES

- Easily integrates with standard Studco M21 suspension rod.
- Provides minimum 3mm static deflection in accordance with the NCC.
- Does not reduce the load capacity of the ceiling system.
- Meets all Australian Standards and guidelines.
- Effectively isolates the ceiling system from the structure to reduce sound transfer.
- Engineered thermoplastic rubber outperforms standard rubber because of its sound absorbing characteristics.
- Load capacity M50R-RED: 29kg
- Load capacity M50R-BLK: 54kg
- Load capacity M50R-BLU: 91kg
- Acoustically tested for STC and IIC.
- Easily works with all hanger wire.
- Easy installation into new or existing ceiling systems.



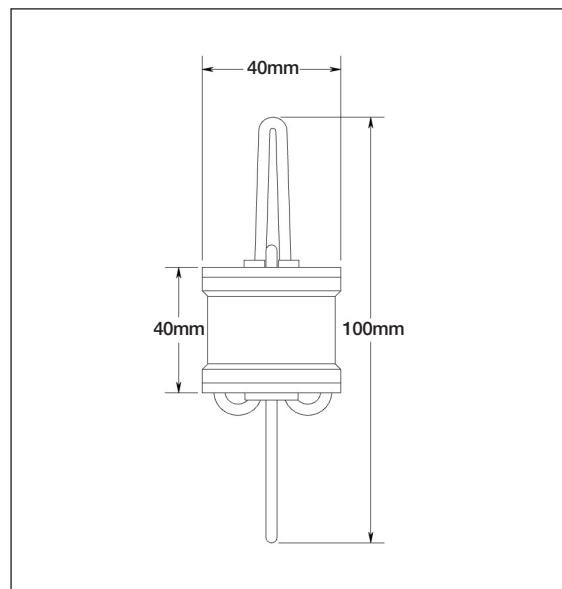
### DYNAMIC CHARACTERISTICS

Rubber mounts differ from spring mounts in that the natural frequency is a function not only of the deflection but also of the rubber hardness.

Resilmount's patented thermoplastic rubber outperforms standard rubber because of its unique natural absorbing characteristics.



**M50R PROFILE**



**M50R**

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### INSTALLATION NOTES

#### 1. Calculate the total weight of the ceiling.

When selecting hangers, it is recommended that the calculated mass of the ceiling system is increased by 10-20% to avoid overloading the isolation element. If maximum rated deflections are required, the ceiling system must be accurately weighed and point loads assessed in accordance with architectural specifications.

#### 2. Determine hanger type needed.

As per weight capacity, see specification table above.

#### 3. Install the ceiling system.

- The site contractor can undertake normal installation of the suspended ceiling bracket and hanging wire.
- Once hanging wire has been hung from the substrate, the lower end of the wire must be bent up in accordance with the ceiling system, providing a 'hook' on which the M50R can be hung.
- Once M50R is in place, another length of hanging wire must be bent and inserted through the lower side of the M50R. The shaft of this wire becomes the mounting point for the ceiling suspension.
- Install the remaining elements of the suspended ceiling system ie. top cross rails, and furring channels as per the manufacturer's specifications.



### WARRANTY

This product is covered by a five year warranty. Conditions and limitations of warranties are set out in Studco Project Warranty certificate.



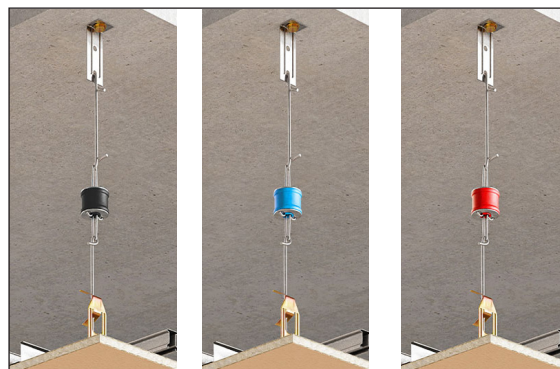
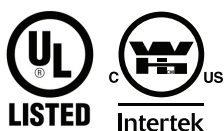
### FURTHER ASSISTANCE

Contact the technical engineering team at Studco Technical Services for assistance with specifications, product selection, acoustic engineering and structural engineering enquiries.

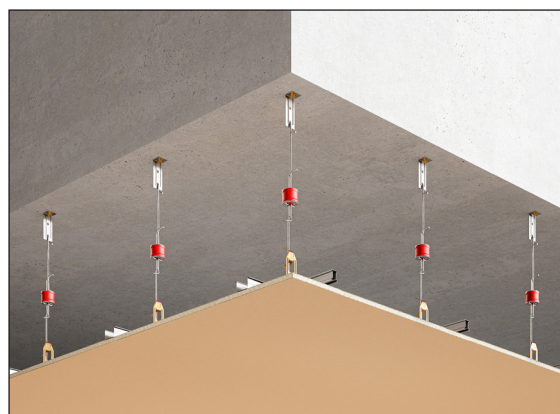
T: 1300 255 255 or email [techadvice@studcosystems.com.au](mailto:techadvice@studcosystems.com.au)



### ACCREDITATION/CERTIFICATION



**M50R INSTALLATION**



**M50R-RED INSTALLATION**