



# STUDCO BUILDING SYSTEMS Data Sheet

PRODUCT CODE	A50R -1
BRAND NAME	Resilmount™ A50R -1
DESCRIPTION	Resilient Isolation Hanger
MANUFACTURER	Studco Building Systems
DATE OF ISSUE	January 2009

## > Application

Resilmount™ A50R-1 is specifically designed for the support and acoustical isolation of internal suspended ceiling systems.

## > Features

- Easily works with all hanger wire
- Easy installation into new or existing ceiling systems
- Meets all Standards and guidelines
- Does not reduce the load capacity of the ceiling system
- Suitably isolates the ceiling system from the structure to reduce structure-borne noise
- Elastomer Type: Natural Rubber
- Shore A Hardness: 65
- Load capacity: 65 Lbs.

## > Dynamic Characteristics

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

The noise absorption properties of the Resilmount™ A50R-1 allow it to deflect 3/16" when loaded to 65 Lbs, in accordance with US Standards, which provided optimal isolation of transferred noise.

## > Installation Notes

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

The site contractor can undertake normal installation procedures of the suspended ceiling system. Once the hanging rod has been hung from the substrate, the lower end of the rod needs to be bent up in accordance with the ceiling system manufacturers specifications, providing a 'hook' on which the Resilmount™ A50R-1 can be hung.

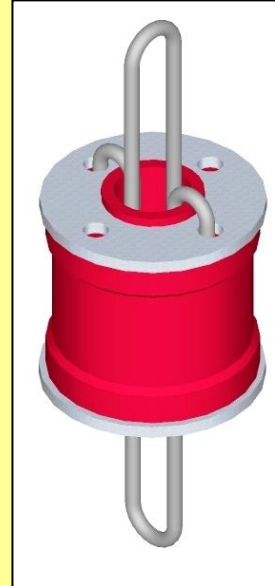
Once the mount is in place, another section of hanging rod is required to be bent and inserted through the lower side of the Resilmount™ A50R-1. The shaft of this rod then becomes the mounting point for the ceiling suspension clip.

Another Quality **STUDCO** BUILDING SYSTEMS Building Product

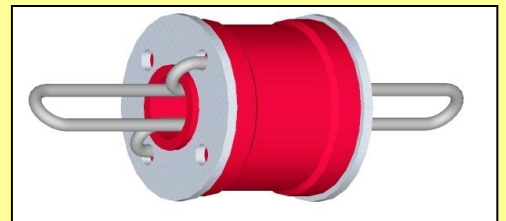
## > Trademark



## > Images



## > Drawing



## > Specifications

CODE	$\alpha$	$\beta$	$\omega$	c
A50R-1	3-3/4"	3/16"	65	Red

- $\alpha$  = Clip height
- $\beta$  = Maximum Deflection at Maximum weight
- $\omega$  = weight capacity (lbs)
- c = Color

## > Other Products

- A237R Resilmount Sound Isolation Clip
- A237 Resilmount Clip without rubber
- A48R Resilmount Right angle bracket
- A24R Double Resilmount Bracket

> Custom sizes are available on request – lead time and min. quantities may apply

For Technical Support & Assistance, Please Contact **Studco Technical Services 800.675.8023**



# STUDCO BUILDING SYSTEMS Data Sheet

PRODUCT CODE	A50R -2
BRAND NAME	Resilmount™ A50R -2
DESCRIPTION	Resilient Isolation Hanger
MANUFACTURER	Studco Building Systems
DATE OF ISSUE	January 2009

## > Application

Resilmount™ A50R-2 is specifically designed for the support and acoustical isolation of internal suspended ceiling systems.

## > Features

- Easily works with all hanger wire
- Easy installation into new or existing ceiling systems
- Meets all Standards and guidelines
- Does not reduce the load capacity of the ceiling system
- Suitably isolates the ceiling system from the structure to reduce structure-borne noise
- Elastomer Type: Natural Rubber
- Shore A Hardness: 65
- Load capacity: 120 Lbs.

## > Dynamic Characteristics

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

The noise absorption properties of the Resilmount™ A50R-2 allow it to deflect 3/16" when loaded to 120 Lbs, in accordance with US Standards, which provided optimal isolation of transferred noise.

## > Installation Notes

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

The site contractor can undertake normal installation procedures of the suspended ceiling system. Once the hanging rod has been hung from the substrate, the lower end of the rod needs to be bent up in accordance with the ceiling system manufacturers specifications, providing a 'hook' on which the Resilmount™ A50R-2 can be hung.

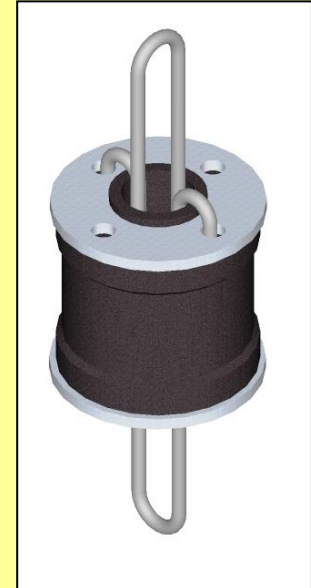
Once the mount is in place, another section of hanging rod is required to be bent and inserted through the lower side of the Resilmount™ A50R-2. The shaft of this rod then becomes the mounting point for the ceiling suspension clip.

Another Quality **STUDCO** BUILDING SYSTEMS Building Product

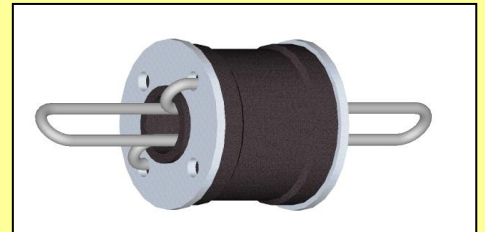
## > Trademark



## > Images



## > Drawing



## > Specifications

CODE	$\alpha$	$\beta$	$\omega$	c
A50R-2	3-3/4"	3/16"	120	Black

- $\alpha$  = Clip height
- $\beta$  = Maximum Deflection at Maximum weight
- $\omega$  = weight capacity (lbs)
- c = Color

## > Other Products

- A237R Resilmount Sound Isolation Clip
- A237 Resilmount Clip without rubber
- A48R Resilmount Right angle bracket
- A24R Double Resilmount Bracket

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# STUDCO BUILDING SYSTEMS Data Sheet

PRODUCT CODE	A50R -3
BRAND NAME	Resilmount™ A50R -3
DESCRIPTION	Resilient Isolation Hanger
MANUFACTURER	Studco Building Systems
DATE OF ISSUE	January 2009

## > Application

Resilmount™ A50R-3 is specifically designed for the support and acoustical isolation of internal suspended ceiling systems.

## > Features

- Easily works with all hanger wire
- Easy installation into new or existing ceiling systems
- Meets all Standards and guidelines
- Does not reduce the load capacity of the ceiling system
- Suitably isolates the ceiling system from the structure to reduce structure-borne noise
- Elastomer Type: Natural Rubber
- Shore A Hardness: 65
- Load capacity: 200 Lbs.

## > Dynamic Characteristics

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

The noise absorption properties of the Resilmount™ A50R-3 allow it to deflect 3/16" when loaded to 200 Lbs, in accordance with US Standards, which provided optimal isolation of transferred noise.

## > Installation Notes

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

The site contractor can undertake normal installation procedures of the suspended ceiling system. Once the hanging rod has been hung from the substrate, the lower end of the rod needs to be bent up in accordance with the ceiling system manufacturers specifications, providing a 'hook' on which the Resilmount™ A50R-3 can be hung.

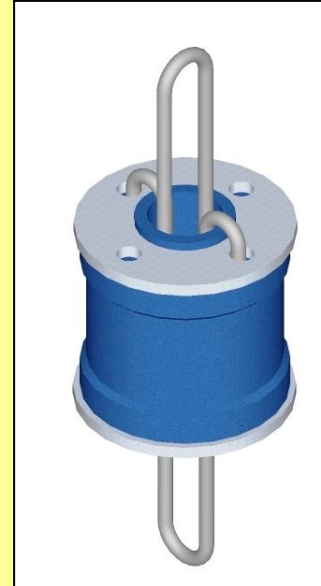
Once the mount is in place, another section of hanging rod is required to be bent and inserted through the lower side of the Resilmount™ A50R-3. The shaft of this rod then becomes the mounting point for the ceiling suspension clip.

Another Quality **STUDCO** BUILDING SYSTEMS Building Product

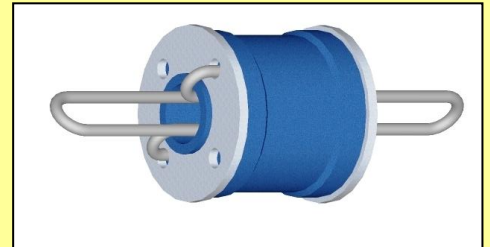
## > Trademark



## > Images



## > Drawing



## > Specifications

CODE	$\alpha$	$\beta$	$\omega$	c
A50R-3	3-3/4"	3/16"	200	Blue

$\alpha$  = Clip height

$\beta$  = Maximum Deflection at Maximum weight

$\omega$  = weight capacity (lbs)

c = Color

## > Other Products

A237R Resilmount Sound Isolation Clip

A237 Resilmount Clip without rubber

A48R Resilmount Right angle bracket

A24R Double Resilmount Bracket

> Custom sizes are available on request – lead time and min. quantities may apply

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