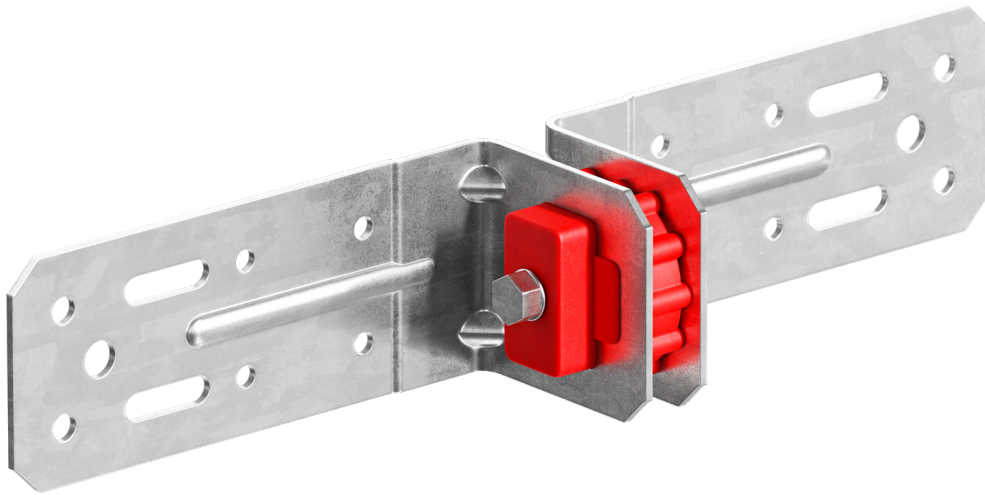




RESILMOUNT A24R SUBMITTAL PACKAGE



A Studco Innovation

Resilmount Sound Isolation Solutions are a division of Studco Building Systems, a leading manufacturer of innovative building materials. Resilmount offers a range of patented sound isolation products for the wall and ceiling industry.

UNIQUE PATENTED THERMOPLASTIC RUBBER WITH SOUND CELL DESIGN

Solve the problem of noise transfer in high density accommodations with Resilmount. Our Resilient mount clips provide acoustic control by locking into place on standard furring channels for easy construction and effective solutions to unwanted noise. Resilmount clips isolate wall and ceiling systems from the building structure resulting in premium acoustic control.

SOUND TESTING

Resilmount's sound isolation mounts have been tested in order to meet the required acoustic performance. A range of testing and acoustic opinions are available upon request, please contact sales@resilmount.com for further information.



Riverbank Acoustical
LABORATORIES[®]



PKA ACOUSTIC CONSULTING
www.pka.com.au

Tested according to ASTM Standards

QUALITY ASSURANCE AND ENVIRONMENTAL POLICY



ISO 9001 Quality Management System

The quest for optimum quality never ends at Studco. The consistency of our quality is one of the cornerstones of Studco's reputation as a reliable supplier of metal building systems. In order to achieve dependable quality in our products and service, Studco Building Systems is certified to ISO 9001 Quality Management System. This internationally recognized benchmark of quality is rigidly applied to all facets of our operations, ensuring premium quality products and premium customer service at all times. Customers can be certain of the quality of Studco's products because of the stringent controls we impose on our production processes.



ISO 14001 EMS Certification

The management team at Studco have long held the view that caring for the environment is a corporate responsibility. In fact, responsibility of and caring for the environment in which we live is a Studco hallmark which is promoted at every level of our business. Our commitment to sensible environmental responsibility and corporate accountability is evident in our ongoing certification to the internationally recognized benchmark standard ISO 14001:2015 environmental management system.

Resilmount A24R Submittal Package



DESCRIPTION

The Resilmount A24R is an engineered, acoustic resilient mounting bracket for reducing airborne vibration and structure-borne vibration in internal chase wall applications where acoustical bridging is required. Using the Resilmount A24R bracket improves the strength and rigidity of chase walls, allowing both walls to support each other whilst remaining acoustically isolated.

FEATURES

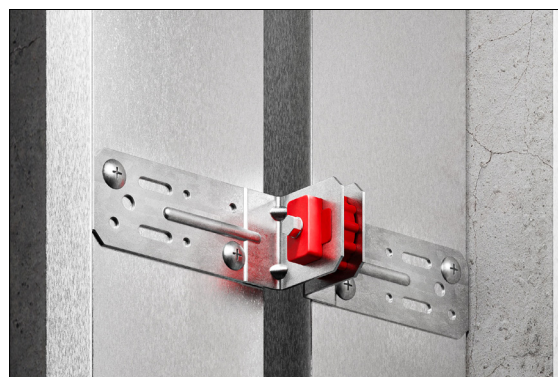
- Fully engineered component, designed to improve wall strength and increase wall height, without compromising any of the acoustical properties of a chase wall installed in an acoustically sensitive environment.
- Uses Resilmount's heavy-duty bracket which is specifically designed to help absorb vibration and minimize structure-borne noise.
- Wall heights can be increased in acoustic chase wall applications, eliminating the need for extensive bracing and oversize steel members.
- Provided with several fastening holes including 3/16" slotted holes in bracket fixing surface.
- Supplied as fully assembled component - no site assembly required.
- Consistent and reliable quality - manufactured under ISO9001 quality control system.

INSTALLATION NOTES

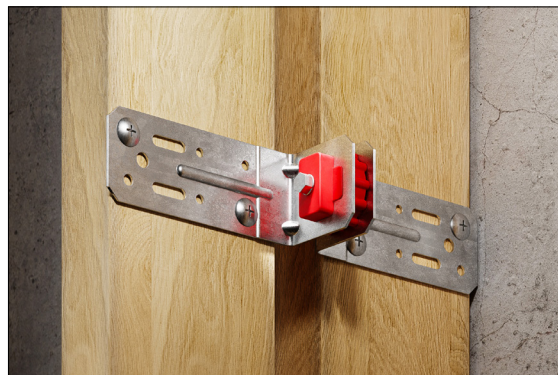
- Minimum gap between walls is 2". Smaller gaps down to 1" can be achieved by fixing the bracket on a diagonal plane between two walls. When mounting the bracket diagonally, extreme care must be taken to ensure the bracket's fastening surface does not come into contact with the studs on the opposing wall.
- Maximum gap between walls is 7". Greater distances can be achieved by extending the bracket length using a piece of stud. In such instances, please contact Resilmount's engineers to confirm engineering specifications.
- A24R to be fastened to structure with a minimum #8 screw or masonry sleeve anchors (see fasteners manufacturer's specifications).
- When installing, ensure that no part of the two opposing structures are touching or has the potential to compromise the acoustical isolation of the two separate structures.
- Load ratings to be confirmed with the Resilmount engineers, based on project environment.



A24R PROFILE



A24R STEEL STUD INSTALLATION



A24R WOOD STUD INSTALLATION

Resilmount A24R Submittal Package



DYNAMIC CHARACTERISTICS

Resilmount's patented thermoplastic rubber outperforms standard rubber because of its unique natural absorbing characteristics. Resilmounts unique sound cell design guards against structure borne vibrations transferring into the body of the resilmount because of its strong column design providing a small percentage of contact surface area with the structure or substrate it is fastened to. This aids in absorbing and breaking up airborne sound at its transfer point.



SPECIFICATIONS

Code	Bracket Width	Bracket Height	Weight Capacity (lbs)
A24R	8 5/16"	1 11/16"	110



WARRANTY

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



RELATED PRODUCTS

- A237 Metal Furring Channel Clip
- A237R Furring Channel Sound Isolation Clip
- A48R Right Angle Sound Isolation Bracket
- A96R Purlin to Furring Channel Sound Isolation Bracket



FURTHER ASSISTANCE

Contact the technical engineering team at Studco Technical Services for assistance with specifications, product selection, acoustic engineering and structural engineering enquiries.
Tel: 800 675 8023 or email sales@resilmount.com



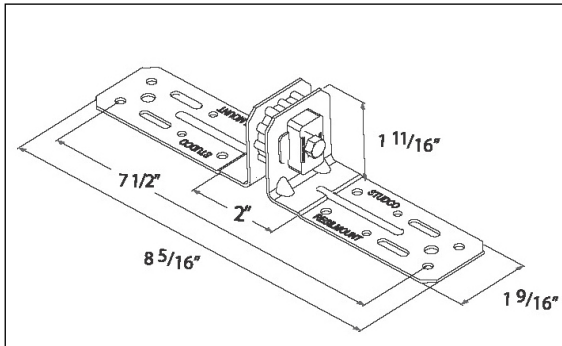
ACCREDITATION/CERTIFICATION



A24R STEEL DIAGONAL INSTALLATION



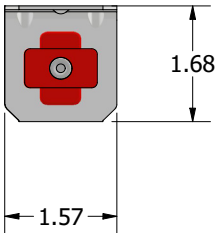
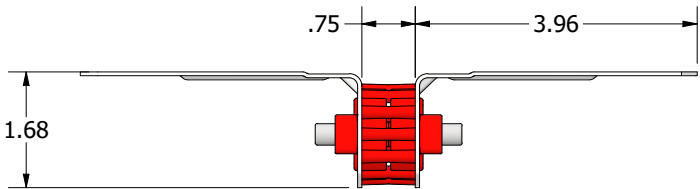
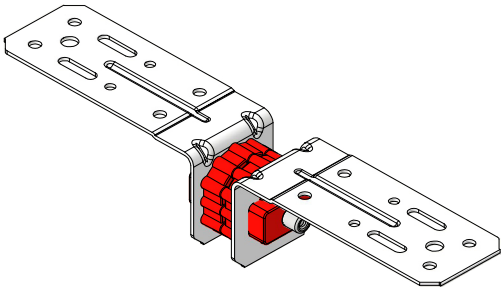
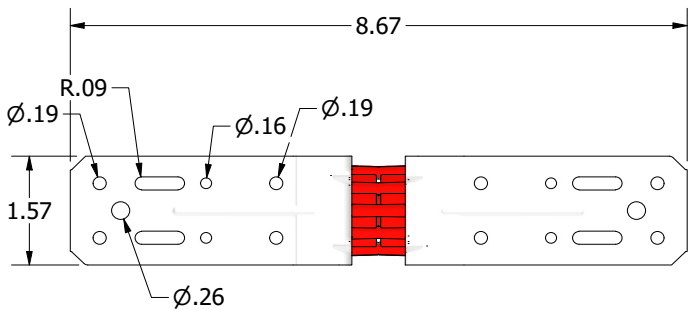
A24R WOOD DIAGONAL INSTALLATION



A24R DIMENSIONS

Resilmount A24R Submittal Package

PRODUCT DIMENSIONS



Resilmount A24R Submittal Package



A24R SPECIFICATIONS

Width: 1 9/16"
Length: 8 5/16"
Clip Height: 1 11/16"
Height of rubbers: 3/8"
Acoustical Design Load: 110 Lbs.



SPECIFICATIONS

Code	Bracket Width	Bracket Height	Weight Capacity (lbs)
A24R	1 9/16"	1 11/16"	110



INSTALLATION NOTES

- A24R clips shall not carry heavy loads such as cabinets or shelves.
- Use a fire-rated acoustical sealant to secure potential air leaks and maximize best noise control results.
- When attaching the A24R clip to steel stud, the minimum allowable thickness is 25 Ga (0.030").



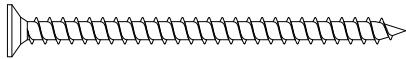
FASTENERS

Wood Joists: #8 x 2" Course Heads (A)

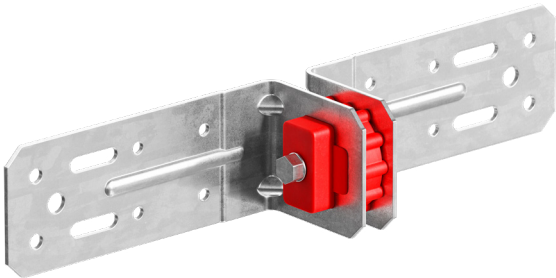
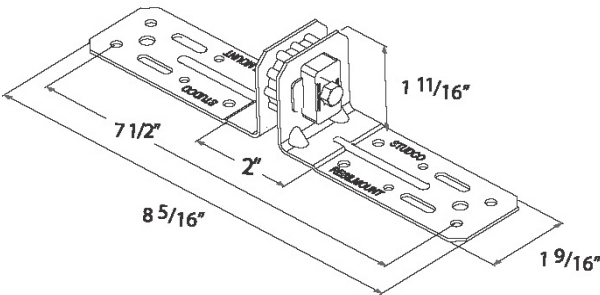
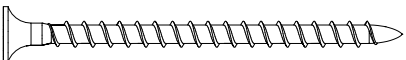
Steel Joists: #8, #10 or #12 x 1-5/8" self tapping (B)

DO NOT fasten Resilmount clips to framing members with nails.
Only use approved screws.

A



B



Resilmount A24R Submittal Package



WALL INSTALLATION GUIDE

STEP 1

A24R maximum spacing vertically is 48 inches OC. The maximum spacing horizontally is 24 inches OC. The maximum acoustic load is 110 lbs.

STEP 2

Fasten the A24R to the structure members with approved and manufacturer approved fasteners specifications.

STEP 3

Locate the first and last row of A24R clips within 8 inches from the floor and 8 inches from the ceiling.

STEP 4

Securely fasten 2 screws per connection point directly into wood or steel framing.

