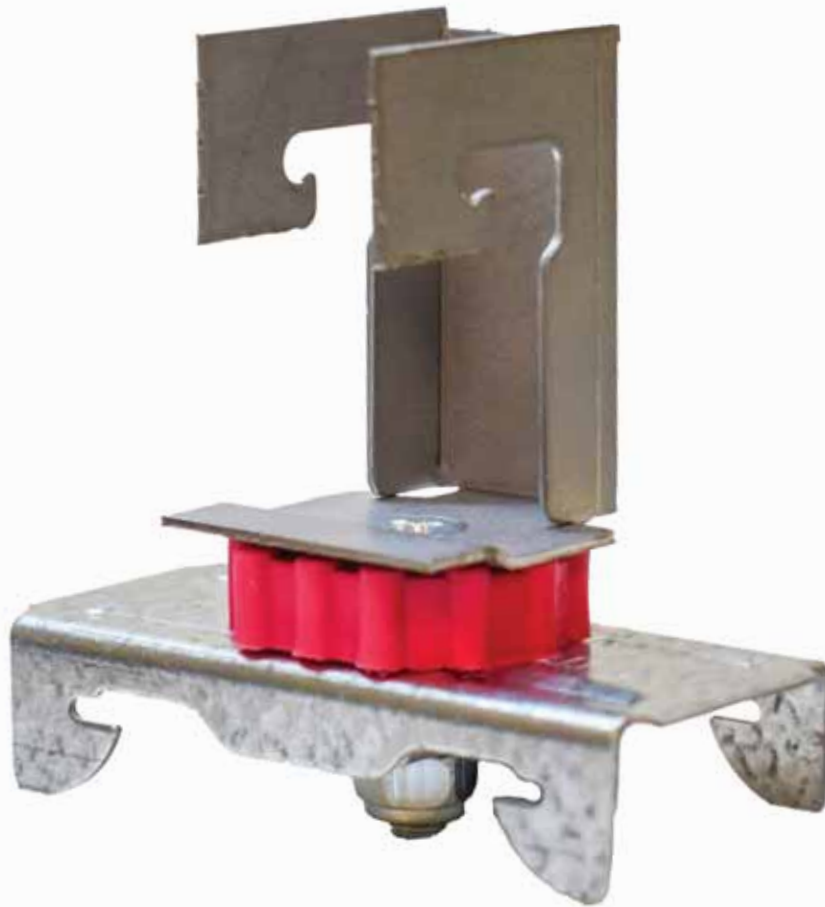




RESILMOUNT A237CR SUBMITTAL PACKAGE



A Studco Innovation

Resilmount A237CR Submittal Package



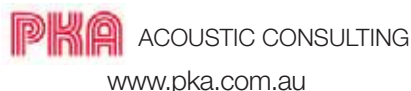
Resilmount Sound Isolation Solutions are a division of Studco Building Systems, a leading manufacturer of innovative building materials. Resilmount offers a range of patented sound isolation products for the wall and ceiling industry.

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.



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 A237CR Submittal Package



DESCRIPTION

The A237CR furring channel to Cold Rolled Channel (CRC) provides sound isolation between the ceiling primary suspension channel and the furring channel, to which drywall is fixed to.



A237CR



FEATURES

- Wraps around the Cold Rolled Channel (CRC) and locks into position with a single rotation.
- Connects to 7/8" or 1 1/2" furring channel via an effortless 2 step locking system.
- Resilmount patented thermoplastic rubber outperforms standard rubber because of its sound absorbing characteristics.
- A237CR can easily be moved along the CRC to line up with the required furring channel.
- Metal ribs deliver extra clip strength.
- Tested for STC and IIC.
- Consistent and reliable quality - manufactured under ISO 9001 quality control system.
- Resilmount is the most cost effective way to isolate airborne noise.



APPLICATION

The A237CR attaches to both the CRC (Cold Rolled Channel) and 7/8" or 1 1/2" furring channel. The A237CR decouples the gypsum board from the CRC for optimum performance.



INSTALLATION NOTES

The top clip on the A237CR fits directly over the CRC and locks into place when fitted into the clip. The bottom of the clip accepts standard furring channel which enables the gypsum board to be decoupled from the framing above.



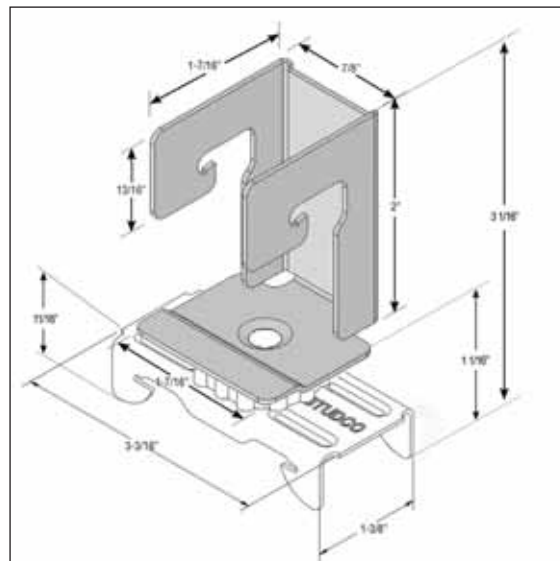
DYNAMIC CHARACTERISTICS

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

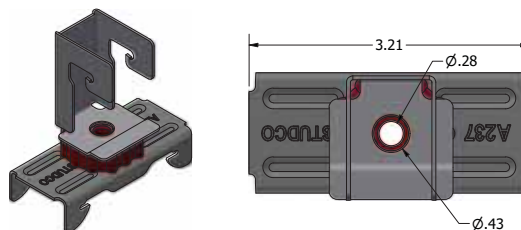
#Lead time and minimum quantities may apply.

WARRANTY

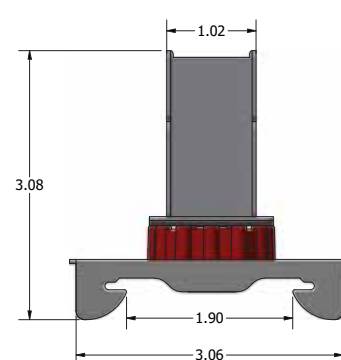
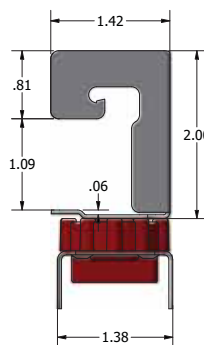
RELATED PRODUCTS



A237CR DIMENSIONS

FURTHER ASSISTANCE

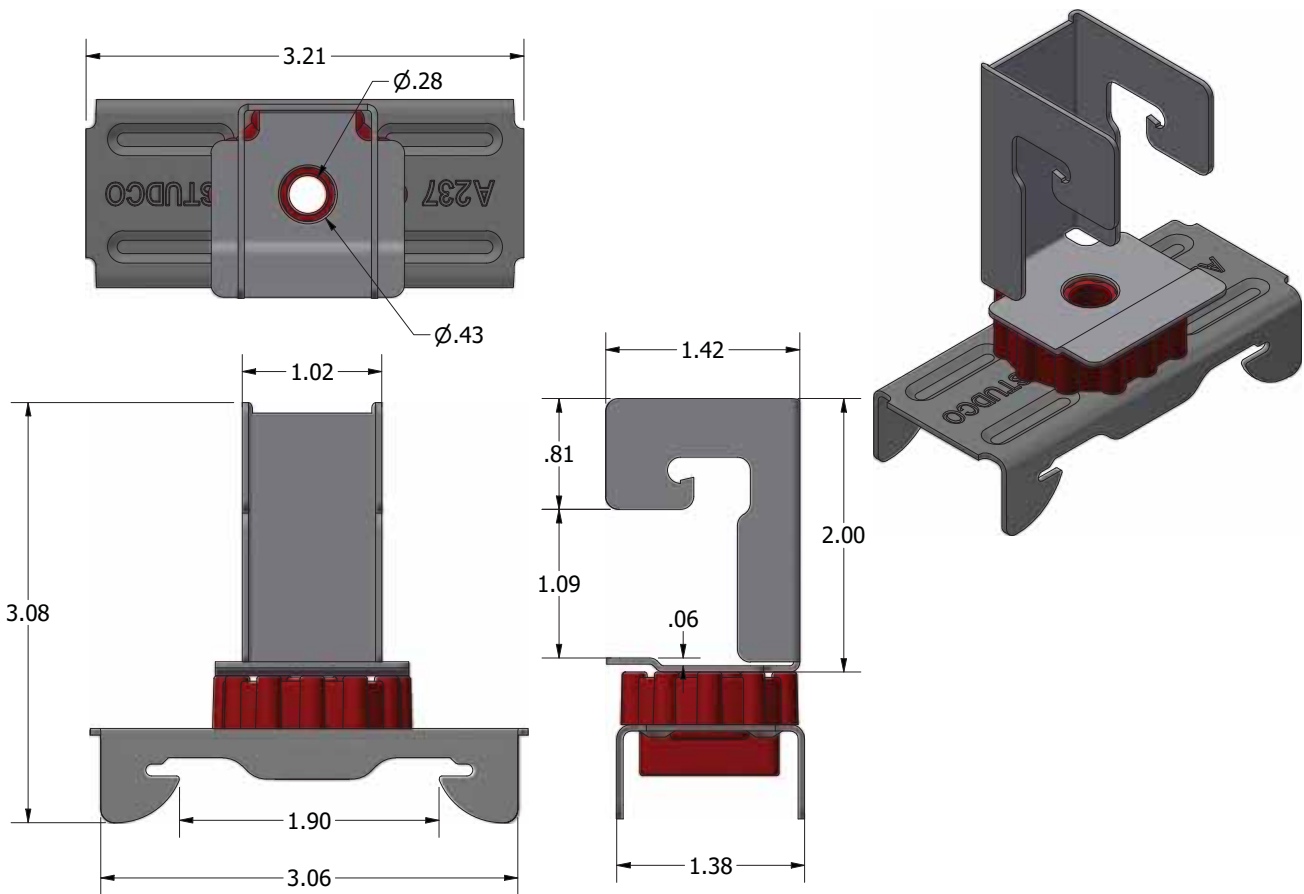
ACCREDITATION/CERTIFICATION



Resilmount A237CR Submittal Package



PRODUCT DIMENSIONS





FLOOR – CEILING ASSEMBLIES

A237CR

6" Concrete Slab with 1 layer of Type C Gypsum Wallboard



FIG 27

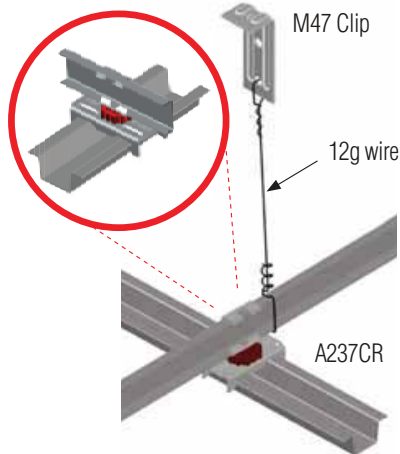


FIG 29

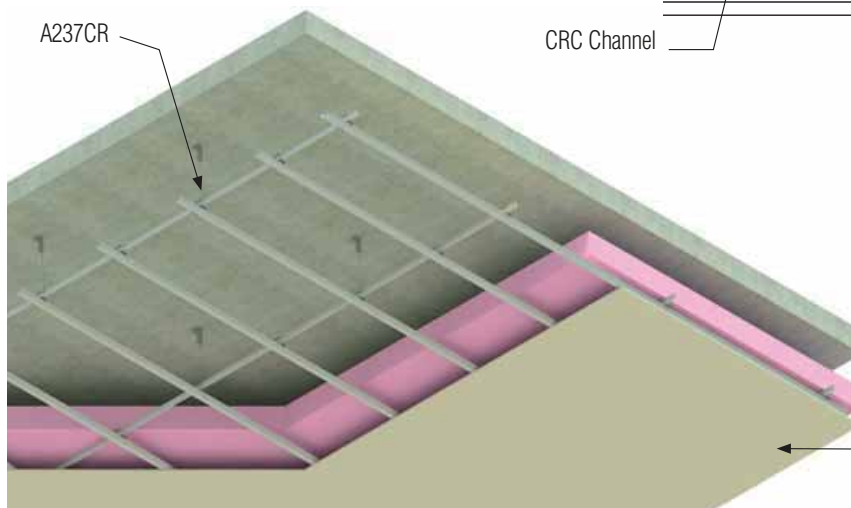
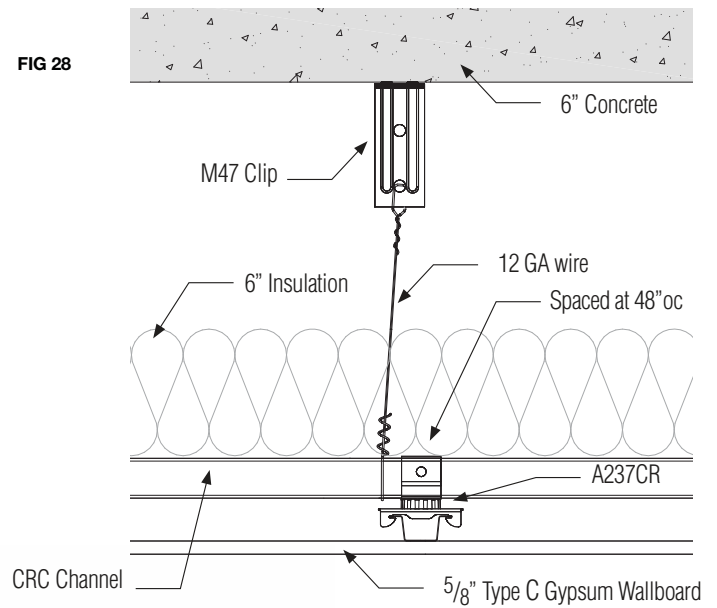


FIG 28



ACCREDITATIONS



RAL-IN14-016 (IIC)
RAL-TL14-242 (STC)

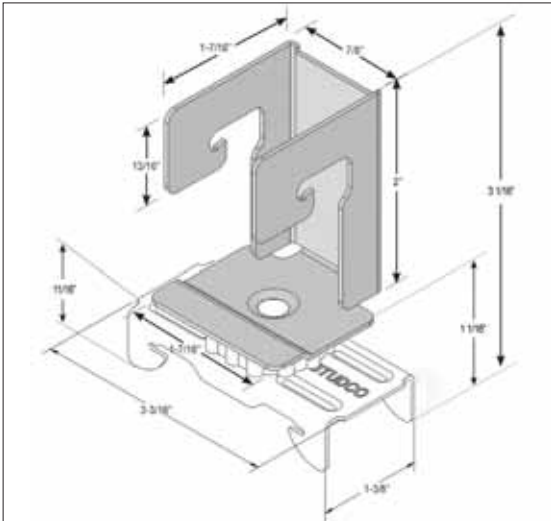
Resilmount A237CR Submittal Package

A237CR SPECIFICATIONS

Width: 1-3/8"
Height (including rubber): 1-1/16"
Length: 3-3/16"
Max spacing between clips: 48" OC
Acoustical Design Load: 37Lbs.
Thickness added to wall: 1 5/8"

SPECIFICATIONS

Code	Clip Height	Metal Thickness	Clip width x length
A237CR	3 1/16"	0.047" x 18 gauge	1 3/8" x 3 3/16"



A237CR DIMENSIONS

COLD ROLLED CHANNEL SPECIFICATIONS

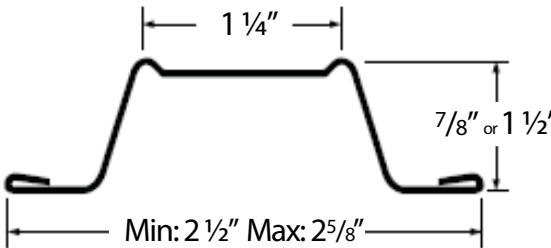
Gauge: 16 gauge (54 mil)
Depth: 1/2"
Width: 1 1/2"
Request from Studco Building Systems: **CRC-11254**



CRC-11254

METAL FURRING CHANNEL SPECIFICATIONS:

Minimum: 25 Gauge with hemmed edge
Depth: Max. 7/8" or 1 1/2" (15 mil.)
Width at top: Max. 1 1/4" (15 mil.)
Width flange to flange: Min: 2 1/2" Max: 2 5/8"
When splicing metal furring channel overlap 6 inches in between two Resilmount clips. Secure the channel with two 7/16" framing screws or 18 Gauge tie wire can be used.
Splicing: Furring channel splicing should take place between the clips.



A237CR compatible with 7/8" or 1 1/2" Furring Channel

Part No.	Equivalent	Description	Length	Gauge	Mils	Stock Pack	Approx. LB/Ft.
FC-7818	087F125-18	7/8" Furring Channel	12	25	18	500	0.2597
FC-11218	150F125-18	1-1/2" Furring Channel	12	25	18	500	0.3324
FC-7830	087F125-30	7/8" Furring Channel	12	20	30	500	0.3659
FC-11230	150F125--30	1-1/2" Furring Channel	12	20	30	500	0.4723

Resilmount A237CR Submittal Package

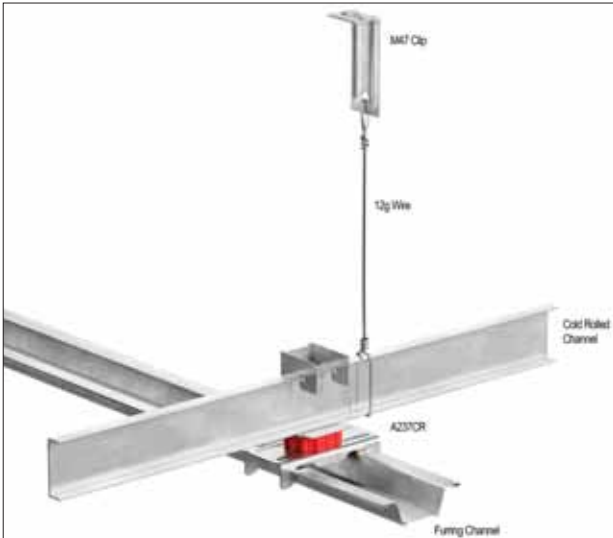
CEILING INSTALLATION GUIDE

HANGER WIRES

When installed, hanger wire shall not exceed 48" on center. Install the wires so that they hang plumb with the Cold Rolled Channel (CRC). To not cause lateral force on the 1-1/2" (38mm) CRC, install CRC at the elevation required using a Double saddle tie. Change the side and direction of the double saddle tie on every other wire, so as to restrict the rollover effect on the 1-1/2" (38mm) CRC.

CEILING INSTALLATION GUIDE

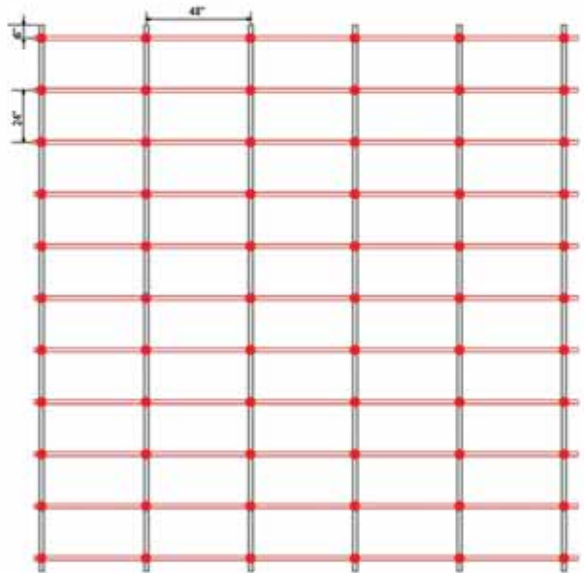
- STEP 1**
Space the A237CR a maximum of 24 inches x 48 inches on center.
- STEP 2**
Snap the A237CR to the Cold Rolled Channel (CRC).
- A237CR can be easily moved along the CRC to line up with the required furring channel spacing.
- STEP 3**
Space the clips on the perimeter of the ceiling 6" away from the wall.
- STEP 4**
Fasten the cold rolled channel to the ceiling using a minimum 12 gauge wire. If a hanger bracket is needed, we recommend using our M47 right angled bracket.



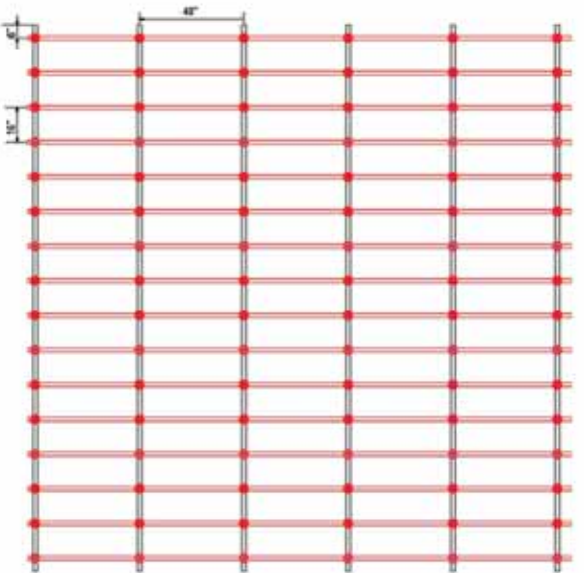
A237CR CEILING INSTALLATION

LAYOUTS

A237CR CLIPS AT 24" X 48" OC



A237CR CLIPS AT 16" X 48" OC





Resilmount A237CR Submittal Package

LOAD SPECIFICATION FOR A237CR

Resilmount Clips are designed to carry furring channel with one or more layers of gypsum wallboard attached. The load compacity of the clips depends on the gauge of the hat channel used.

25 Gauge furring channel carries less load than 20 Gauge channel and performs better acoustically. The maximum design load capacity for the Resilmount Clips in tension (Ceiling Applications) as follows. Design load calculations are based on testing loading to failure where the furring channel deforms.

Maximum Load for Ceiling	2:1 Safety Factor	2.5:1 Safety Factor*
Resilmount Clips w/25 gauge hat channel	45 lbs	36 lbs
Resilmount Clips w/20 gauge hat channel	60 lbs	48 lbs

*Suggested safety factor of 2.5:1 for more critical life safety applications.