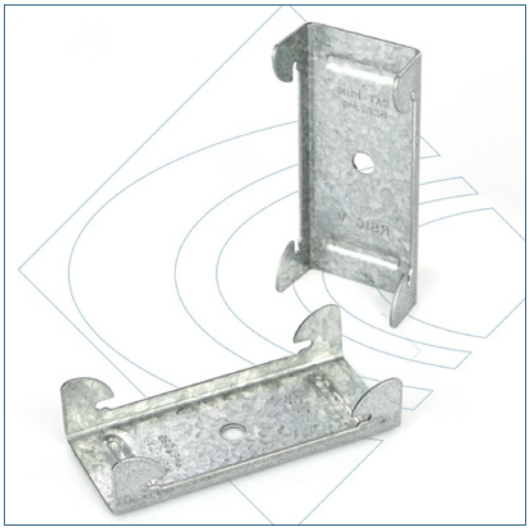
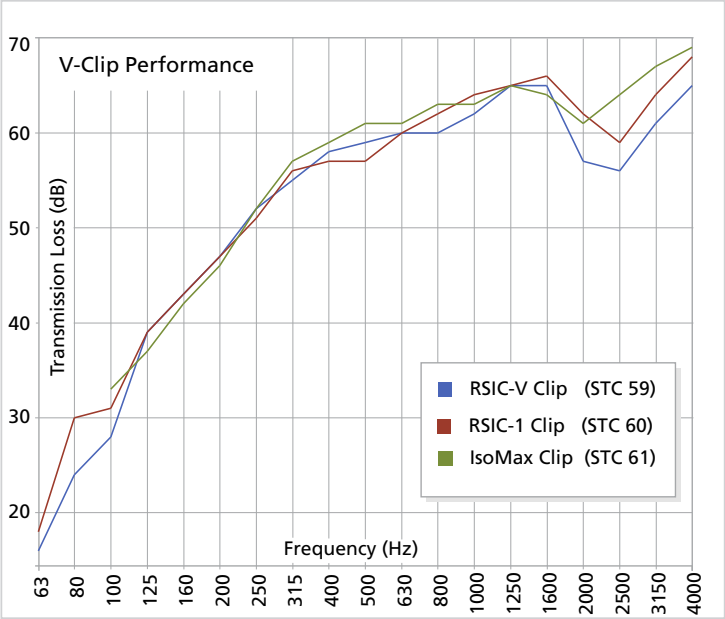
V-Clip Datasheet Resilient Sound Isolation Clip

The V-Clip is a low cost system to decouple wall or ceiling framing. The system consists of an installed array of isolation clips which are installed to studs or joists. The clips hold rows of Hat Track, also knows as RC-2 Channel. This Hat Track is available locally, and is not to be confused with RC-1 Channel (Resilient Channel). Drywall is then installed to the supported Hat Track. The drywall is therefore decoupled from the wall or ceiling framing, significantly improving soundproofing. Multiple sheets of drywall may be used.





	Furring Channel	Opening	Drywall Type	Application	Weight	Framing	Test #
RSIC-V	24" vertical/ 48" horizontal	64 sq ft	5/8" type C	1 on clips (S) 2 on back	616 lbs 9.63 / sq ft	Wood 2x4 16" OC	WEAL 06-504
RSIC-1	24" vertical/ 48" horizontal	126 sq ft	5/8" type C	1 on clips (S) 2 on back	1082 lbs 8.59 / sq ft	Wood 2x4 16" OC	Riverbank TL01-210
ISOMax	24" vertical/ 48" horizontal	126 sq ft	5/8" type X	2 on clips (S) 1 on back	1169 lbs 9.3 / sq ft	Wood 2x4 16" OC	Riverbank TL02-35

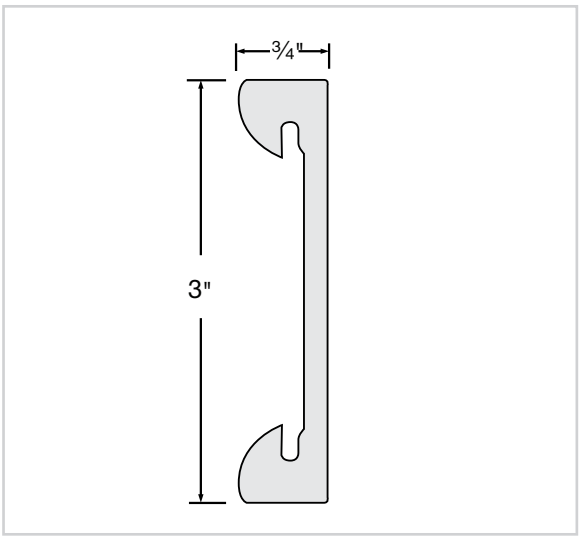
(S) Indicates source side of sound. All test assemblies where insulated with standard fiberglass batts

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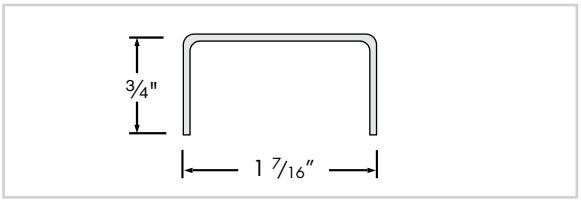
V-Clip Specifications:

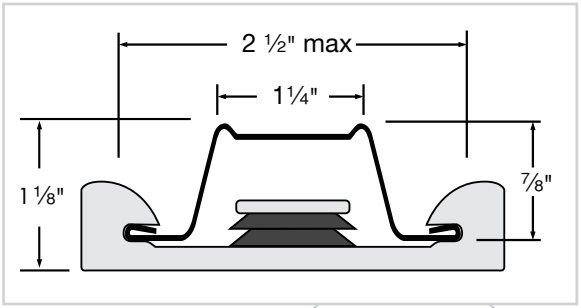
- Length: 3”
- Height: 1 1/4”
- Width: 1 1/2”
- Vertical Spacing: 24”
  (2 layers of 5/8” Type X Drywall)
- Other Spacing: 16”
  (3 layers of 5/8” Type X Drywall)
- Horizontal Spacing: 48”
- Design Load: 36 lbs per clip



7/8” Drywall Furring Channel:

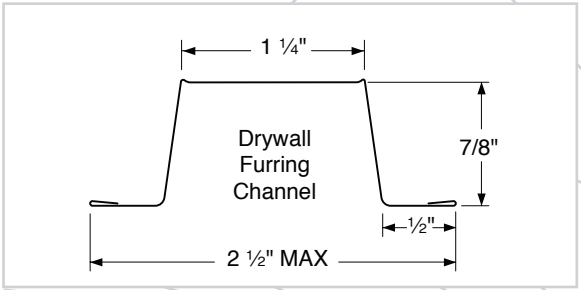
- Must meet or exceed SSMA requirements.
- Gauge: 5 gauge minimum
- Hemmed: Hemmed edge required
- Height: 7/8”
- Width: 2.5”
- Length: Typically 12’
- Splicing: 6” minimum overlap, secure laps with 2 steel framing screws





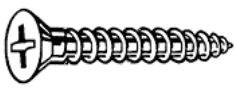
Average Labor Rates:

- 550 linear feet Channel can be installed per man hour.
- 72 V-Clips can be installed per man hour.



Mechanical Fasteners:

- Wood: 1 5/8” screw (coarse thread)
- Steel: Pan Head #8 - 1” screw (fine thread)
- Do not fasten WhisperClip to framing members with nails. Use only approved screws.



1 5/8” Wood Screw
Wood Framing



1” #8 Pan Screw
Metal Framing

COMPARING RESILIENT CLIPS

Clips perform two main functions. First, because they are spaced in rows 24" apart (generally), the drywall is attached with far fewer contact areas. Second, clips and hat track are resilient. They allow a wall to flex, and this increases sound isolation as well as lowering the troublesome primary low frequency resonance point.

There are three manufacturers of lab-tested clip systems in the US. The PAC International, Kinetics Noise Control, and Whisper Industries. All three companies manufacture excellent products. Consumers should be aware that most distributors have re-labeled these clips. You can easily identify them, however using the pictures below.

The Soundproofing Company recommends the use of a simple, inexpensive clip, the PAC RSIC-V. This V-Clip performs very similarly to other clips, but the low cost allows the consumer to instead invest in extra mass (drywall) and damping (Green Glue). The resulting system is far superior to using clips and drywall alone.

The V-Clip can be used with wood or steel wall studs. Clips are particularly useful on open ceilings where there are neighbors overhead. Significant relief from neighbor noise can be obtained if we first start with clips to decouple the ceiling drywall.

V-Clip Installation:






1. Install clips on studs or joists
2. Snap Drywall Furring Channel into clips
3. Attach drywall to Drywall Furring Channel

