



Resilient Sound Isolation Wall and Ceiling Clips

Model IsoMax



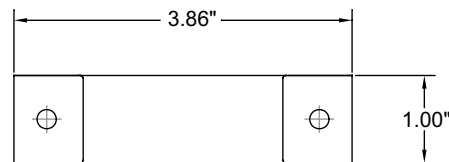
Wall and Ceiling Sound Isolation Theory:

Isolated wall and ceiling systems remain a popular method for mitigating noise problems. Resiliently mounted gypsum board or double wall assemblies are constructed to minimize sound transmission from one occupied space into another. Incorporating Kinetics Noise Control Model IsoMax, designers can create simple, easy to build walls and ceilings that do not require resilient channel, double-wall construction, and/or additional layers of gypsum board. Increasing the air cavity and resiliently decoupling the mass of the gypsum board from the non-isolated structure (e.g., joists, studs, masonry) effectively and economically controls noise transmission.

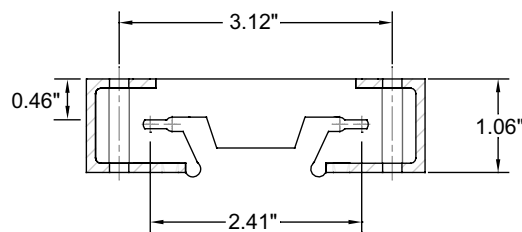
Application:

Designers wanting low-cost, space saving ceilings and walls that provide superior noise control can employ Kinetics Model IsoMax resilient sound isolation clip. Model IsoMax, attached to ceiling joists, wall studs, or masonry, simply and easily secures drywall furring channel. One or more layers of gypsum board are hung onto the furring channel using common construction practices. Offering higher STC and

IIC values than drywall attached to resilient channel, Model IsoMax also ensures that installers will not inadvertently screw through the "resilient" leg of the channel into the joist or stud. Given the frequent occurrences where resilient channel is accidentally rendered ineffective because it is hard-attached, this feature cannot be underestimated when designing and constructing ceilings and walls for noise control.



Plan View

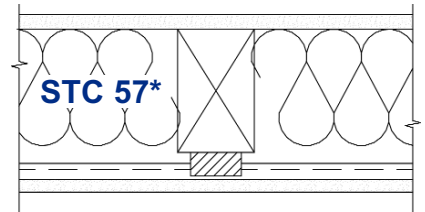
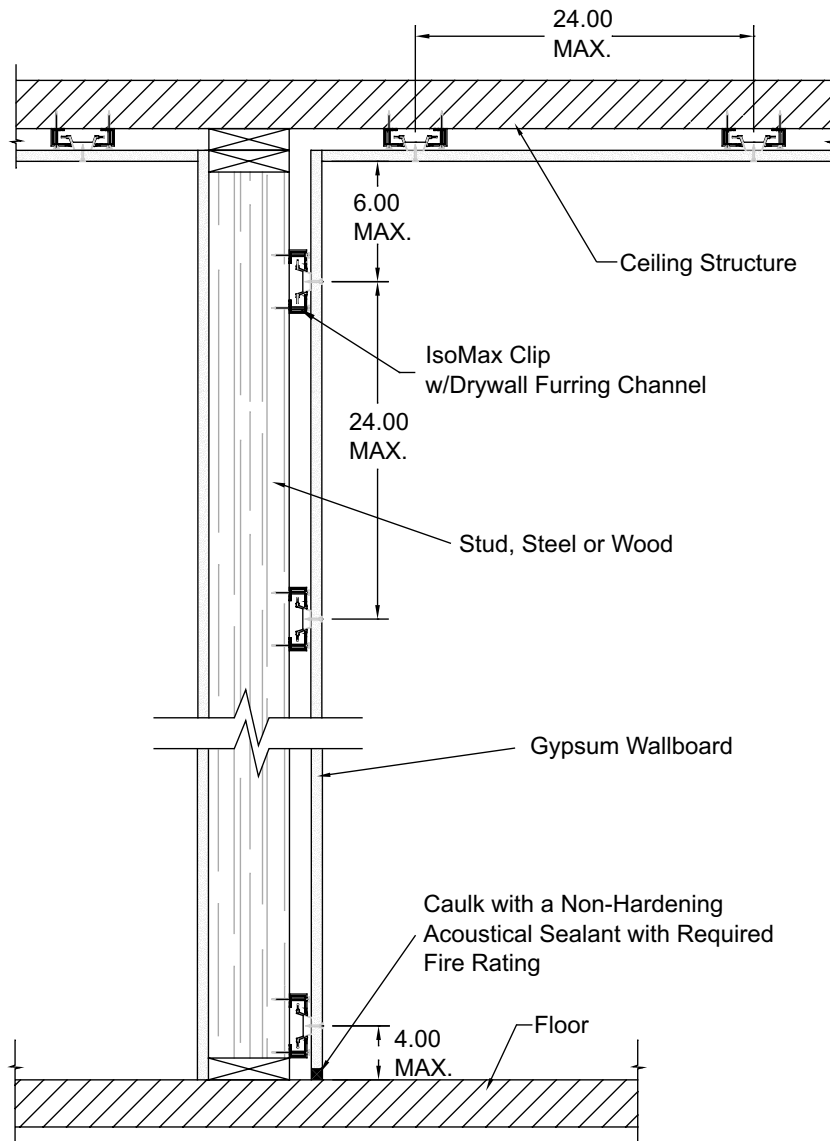


Side View



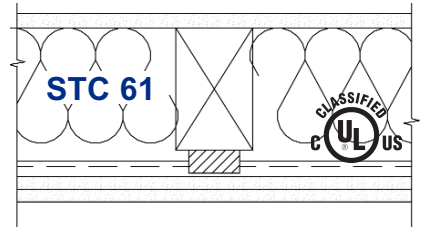
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Wood Stud partition, 2 x 4, 16" O.C. with 5/8" gypsum board, one layer each side. Fiberglass in cavity. IsoMax clips and 7/8" furring channel.

* **+7 STC improvement** compared to the same wall with resilient channel. Find details in our report; [IsoMax vs RC.](#)



Wood stud partition, 2 x 4, 16" O.C. with 5/8" gypsum board, one layer one side, two layers on opposite side. Fiberglass in cavity. IsoMax clips and 7/8" furring channel.

Additional IsoMax STC and IIC test results:

IIC 57 - Wood I-Joist floor/ceiling assembly with wood floor

STC 60 - 63 - Steel Stud wall assemblies

STC 66 - Gypsum board ceiling/concrete slab

IIC 58 - Gypsum board ceiling/concrete slab/wood floor on 1/8 in. mat

Tested Composite Wall Constructions per ASTM E90 and ASTM E413 at Riverbank Labs.

Benefits:

- Highly effective sound control at lowest installed cost.
- Quick and easy to install with standard drywall furring channel.
- Weight capacity - 50 lbs. per clip maximum.
- Maximizes available occupied space with low-profile design.
- Performance range of STC 57 to STC 64 for studwalls per laboratory tests.
- Eliminates problem of hard attaching that is common with resilient channel.
- UL fire rated wall and ceiling assemblies are available with IsoMax
- Wood I-joist construction with hardwood finish floor achieves a lab tested IIC 57 with IsoMax ceiling.



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Kinetics Noise Control, Inc. is continually upgrading the quality of our products. We reserve the right to make changes to this and all products without notice.

Download Model IsoMax information including three-part specification, installation guidelines, and typical installation drawings at www.kineticsnoise.com/arch/isomax. Call the factory at 800-959-1229 if needing additional information; ask for Architectural sales.

Purchase Model IsoMax and accessories through your local sales representative (www.kineticsnoise.com/replacement.asp).