PAC International

NOISE CONTROL SOLUTIONS

REAL SOLUTIONS IN CONSTRUCTION

CLASSIFIED C UL US

RSIC®-SI-X

PAC International, LLC.
World Class Noise Control Solutions
Canby, OR – Las Vegas, NV
866-774-2100
info@pac-intl.com
www.pacinternationalllc.com

THE NEXT GENERATION OF SOUND ISOLATION

SPRING PERFORMANCE WITH RSIC-1® EASE OF INSTALLATION

PAC's RSIC®-SI-X is a new patented compact spring isolator that is a cost-saving alternative to traditional 1" deflection springs. The RSIC®-SI-X eliminates the need for backing and cold rolled channel required with traditional springs, which provides considerable labor savings. The unique mulit-wave spring in the RSIC®-SI-X also provides superior low-frequency isolation compared to typical sound isolation clips.

Exceeds code minimum without finished flooring

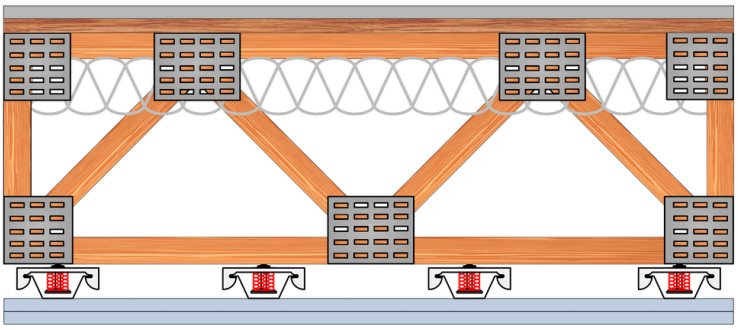
PAC International

M1837.05 (Intertek)

STC: 62 IIC: 54 HIIC: 53

CONSTRUCTION

- Bare
- 3/4" (19mm) Gypsum Concrete Topping
- 3/4" (19mm) OSB
- 18" (457mm) Open Web Truss @ 24" oc. (610mm)
- 3-1/2" (89mm) R-13 Fiberglass Insulation
- PAC RSIC-SI-X @ 16" x 48" oc. (406x1219mm)
- Drywall Furring Channel @ 16" oc. (406mm)
- 2 Layers 5/8" (16mm) Firecode "C" Gypsum Board



Impact sound levels 50% quieter than IIC 60 commonly used for luxury confominiums

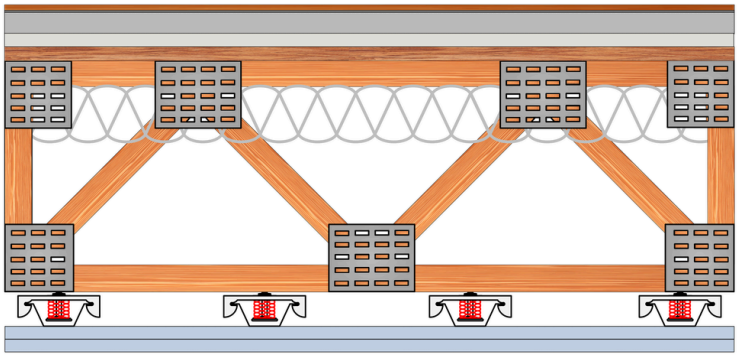
PAC International

L3826.02 (Intertek)

STC: 61 IIC: 70 HIIC: 79

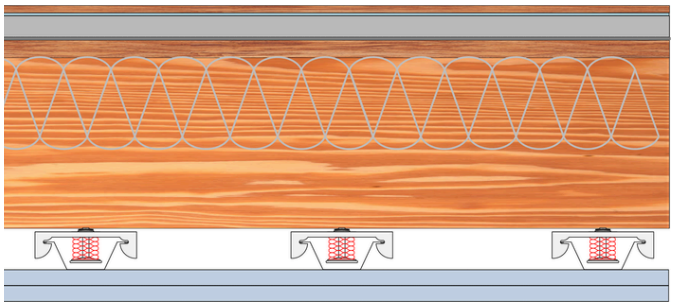
CONSTRUCTION

- Kahrs Linnea Wood Flooring Floated
- Ecore QT4005 5mm Rubber Underlayment Floated
- 1-1/2" (38mm) Gypsum Concrete Topping
- 3/4" (19mm) Maxxon Acousti-Mat Premium
- 3/4" (19mm) OSB
- 18" (457mm) Open Web Truss @ 24" oc. (610mm)
- 3-1/2" (89mm) R-13 Fiberglass Insulation
- PAC RSIC-SI-X @ 16" x 48" oc. (406x1219mm)
- Drywall Furring Channel @ 16" oc. (406mm)
- 2 Layers 5/8" (16mm) Firecode "C" Gypsum Board



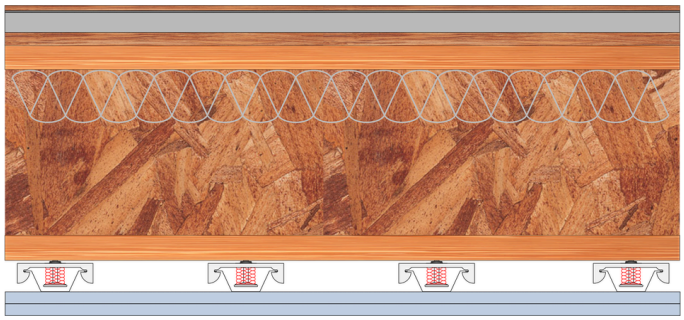
UL FIRE-RATED DESIGNS

FLOOR/CEILINGS



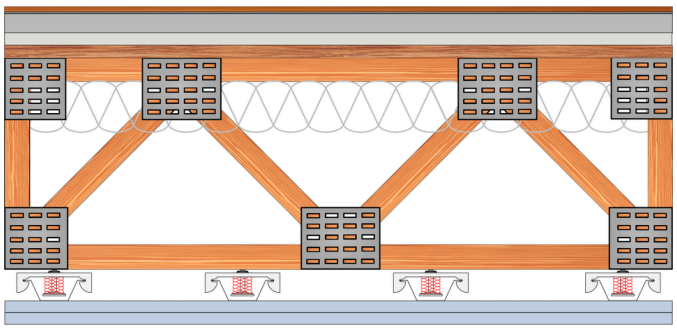
WOOD SOLID JOIST

L516, L583, M531



WOOD "I" JOIST

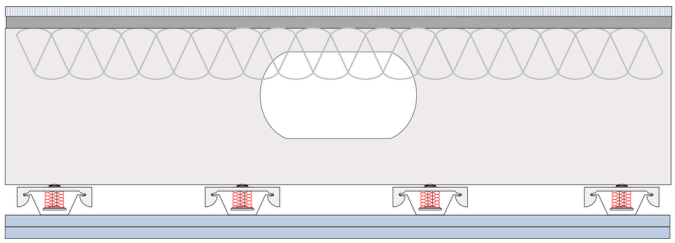
L518, L583, M502, M532



WOOD OPEN WEB TRUSS

L521, L546, L583, L587, M509, M540

STEEL FLOOR/CEILINGS



STEEL JOIST

G556

RSIC®-SI-X VARIATIONS

RSIC®-SI-X ADM

- Can be shot into concrete decks for fast installation
- Low-profile and lower-cost spring isolator
- Eliminates extra cost and labor of cold-rolled channel
- Adjustable plenum depths from ~3" to 6" (custom lengths available)

RSIC®-SI-X CRC

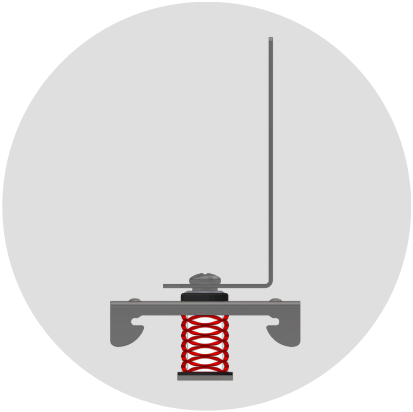
- Attaches directly cold-rolled channel
- Reduces potential conflits with MEP
- Eliminates conflicts with sway bracing, uplift struts, etc.
- Recommended plenum depth 12"+

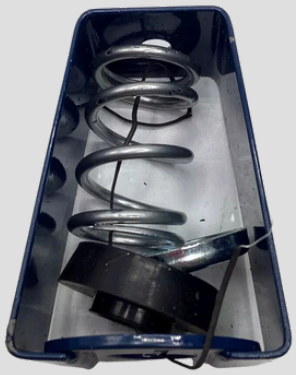
RSIC®-SI-X LP

- Mounts to the side of solid wood joists, wood I-joists, or wood open-web trusses.
- Allows the hat channel to be run parallel to the joists/trusses to minimize the ceiling drop

RSIC®-SI-X EXT04

- Mounts to the side of solid wood joists, wood I-joists, or wood open-web trusses.
- Allows the ceiling height to be adjusted by changing the placement of the bracket to accommodate for joists/trusses that aren't level or to create space for small MEP equipment like conduit and pipes





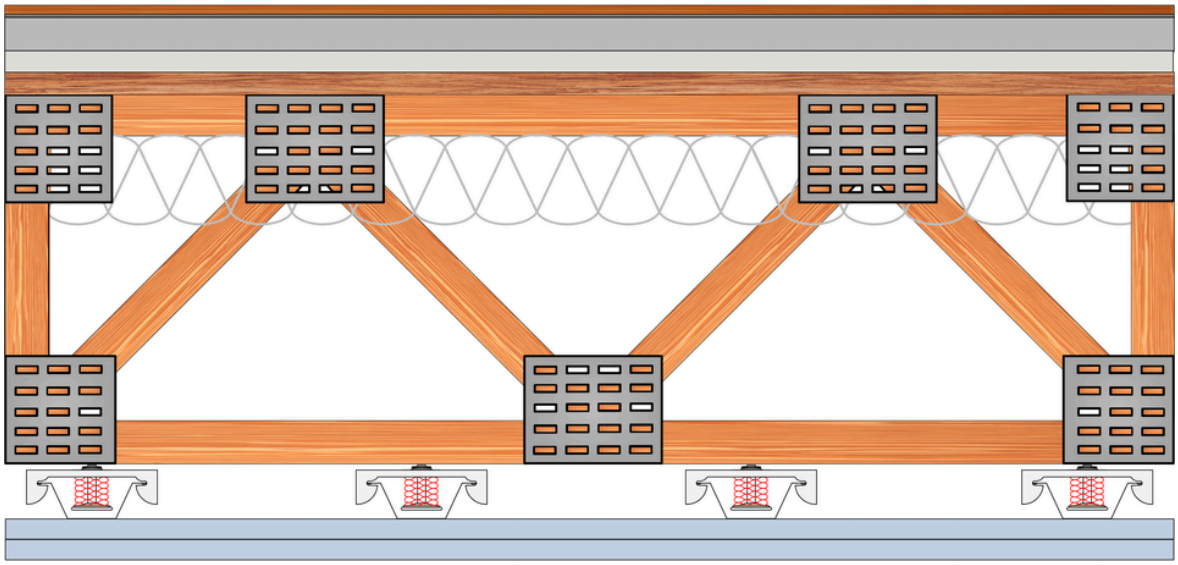
RSIC®-SI-X

1. Project information: Spring layout
2. Order RSIC®-SI-X Clips
3. Install clips to bottom of joist using 1" screw
4. Snap In Hat Channel
5. Attach Gypsum Board

VS

OTHER SPRINGS

1. Grab project information: RCP, joist location, MEP, Etc.
2. Send data to manufacturer's rep/Wait for shop drawings
3. Order Springs/Wait for shipment
4. Assemble & calibrate springs
5. Set up laser level
6. Add backing to side of joists
7. Mount springs and adjust height to level
8. Thread CRC through clips on springs
9. Align CRC & tighten nuts to secure channel in C clips
10. Wire-tie or screw hat channel to CRC
11. Attach gypsum board
12. Wish you'd used PAC's RSIC®-SI-X



CLASSIFIED C UL US

A lower-cost alternative to standard spring hangers

Superior low-frequency performance

Included in many UL fire-resistive designs

Labor saving design compared to traditional springs