

## DECOUPLER CLIPS

### RSIC-1-SI Spring Isolator

For applications that demand a higher sound transmission reduction, SoundSense carries spring isolators allowing ceilings to “float” in rooms where higher noise levels are a concern. Spring isolators provide a resilient attachment method for the ceiling finishes to the structural framing.

#### Applications:

- Home Theaters
- Mechanical Rooms
- Libraries/Study
- Gyms
- Offices
- Master Suites

#### Installation:

RSIC-1-SI Spring Isolators are attached directly to side of joists with approved screws (#8 X 2-½” course thread for wood, #8 1-5/8” fine threads for steel) in the pattern indicated below determined by the weight of the ceiling or wall material it is supporting.

Drywall furring channels are then fed through the clips horizontally. Sheetrock is installed directly to the hat channel leaving a 1/8” gap around the perimeter of the entire ceiling. The gap must be sealed with Big Stretch acoustical sealant. For higher sound reduction, attach SoundSense LV-1 or SoundSense NO-2 to the furring channels. Then add two layers of sheetrock to the SoundSense LV-1 or NO-2.

#### Physical Properties:

Clip Dimensions:	7" - 8" height (adjustable) 1-1/4" deep 3" wide
Material Composition:	Natural blend neoprene grommet pad, threaded shaft attached to a center bushing of electroplated zinc mild steel with a galvanized steel retainer clip
Hardness:	Shore A of 50 (neoprene grommet)
Tensile Strength:	10-11.2 MPa (neoprene grommet)
Heat Resistance:	70° C for 70 hours



**RSIC-1-SI INSTALLATION WITH FRAMING SPACED @ 16” OC. & RSIC-1-SI @ 24” OC.**

