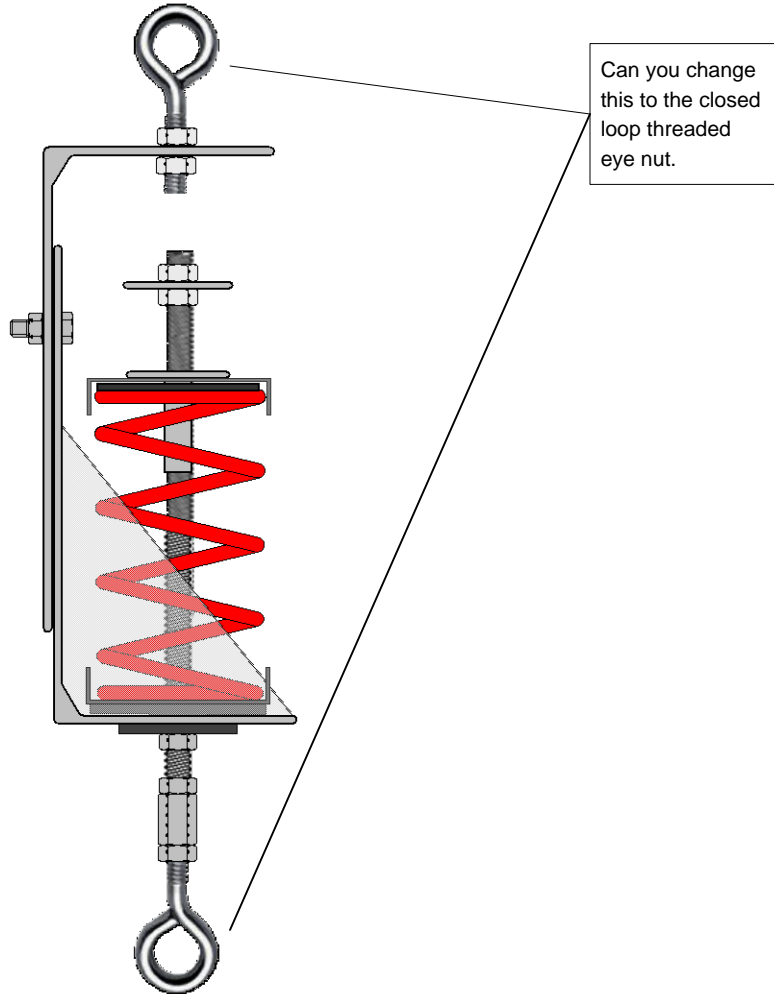


# RSIC-SI-WHI



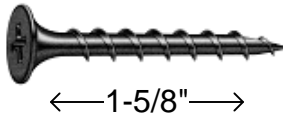
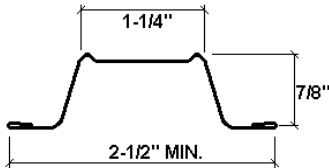
**RSIC-SI-WHI 5 LBS TO 160 LBS**

**SHIPPED FULLY  
ASSEMBLED  
AND CALIBRATED**

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# RSIC-SI-WHI SOUND ISOLATION CLIP



160 Lb
120 Lb
80 Lb
40 Lb
30 Lb
20 Lb
10 Lb
5 Lb

## Drywall Furring Channel:

- Furring Channel: 25 gauge hemmed edge, or 20 gauge standard. Meets or exceeds SSMA requirements
- Depth: 7/8"
- Width Bottom: 2-1/2" wide minimum.
- Width Top: 1-1/4" wide
- Splice drywall furring channel (hat track) with 6" overlap in mid span (between two clips) secure with 18 ga tie wire, or two 7/16" framing screws.

## Carrier Channel Options:

- 48" spacing 16 gauge cold rolled channel (CRC) dim: 1/2" x 1.5" x 1/2" SSMA cod : 150U050-54
- CRC and steel studs must meet or exceed SSMA standards

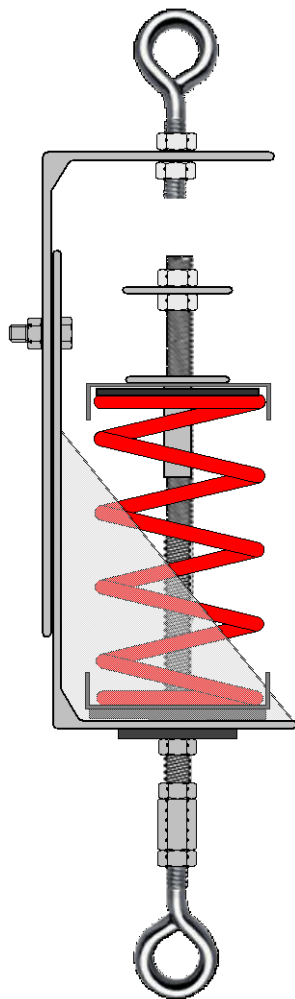
## Fasteners:

- Hanger wire per manufacturer recommendations for load at each positions.
- RSIC-SI-WHI clip is hung mid wire between an upper wire connected to the structure and a lower wire used to hold ceiling framing.

## RSIC-SI-WHI Spring Isolator

- **Maximum Spacing:** 48" oc. With Cold Rolled Channel
- **RSIC-OHD Adapter:** 5 to 40 Lb
- **RSIC-OHD Adapter plus RSIC-OHD Reinforcing:** 40+Lbs
- **Finish elevation is 1/2" below preset height.**
- Black = 160 Lbs
- Gold = 120 Lbs
- Silver = 80 Lbs
- Red = 40 Lbs
- Green = 30 Lbs
- Blue = 20 Lbs
- White = 10 Lbs
- Yellow = 5 Lbs

# RSIC-SI-WHI SOUND ISOLATION CLIP



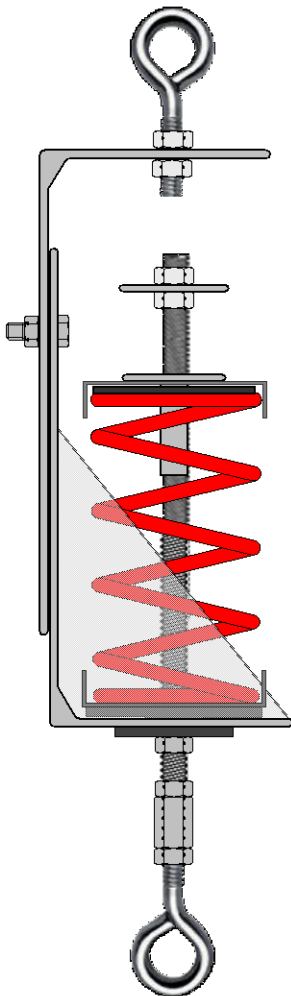
## Ceilings: RSIC-SI-WHI clips installed 48" oc

- Resilient Sound Isolation Clips (RSIC-SI-WHI) shall be max 48 inches on center .
- Layout the RSIC-SI-WHI clips according to general guidelines represented in this installation manual.
- Any additional or non standard room dimensions need to be addressed by a professional engineer.
- Carefully remove RSIC-SI-WHI pre-assembled, and pre-calibrated clips from packaging.
- Be cautious to not rotate the RSIC-SI-WHI clips separate from the Upper bracket. This may change the factory calibration of RSIC-SI-WHI.
- Verify the correct quantity of each RSIC-SI-WHI isolator (weight / color) is included in the shipment.
- Layout the RSIC-SI-WHI clips out on the floor (reflecting the ceiling above) Ensure there are no additional items required to complete the installation, IE: Additional blocking to support the RSIC-SI-WHI clips, or additional clips to support the drywall furring channel.
- Fasten the Resilient Sound Isolation Clip (RSIC-SI-WHI) to the hanger wire as needed for ceiling support. Allowing for 1/2" deflection after the gypsum board has been installed.
- At the perimeter, the distance between the wall and first support for the drywall shall be less than 8"
- Tie hanger wire to the bottom loop of the RSIC-SI-WHI isolator clip.
- Tie the 16 Ga cold rolled channel to the hanger wire hung from the RSIC-SI-WHI clip.
- Wire tie the drywall furring channel to the cold rolled channel @ 24" oc or 16" oc. (24" oc for 1 or 2 layers of gyp board, 16" oc for 3 layers of gyp board)
- Optional, Field Calibrate each isolator based on the weight they will be holding. Variances in the field may require additional adjustment to ensure a consistent system. (see field calibration guide on page 5)

- Black 160 Lb field clips
- Silver 80 Lb field clips
- Red 40 Lb field and perimeter clips
- Green 30 Lb field and perimeter clips
- Blue 20 Lb field, perimeter and edge clips
- White 10 Lb edge, corner, and or infill clips
- Yellow 5 edge or corner clips

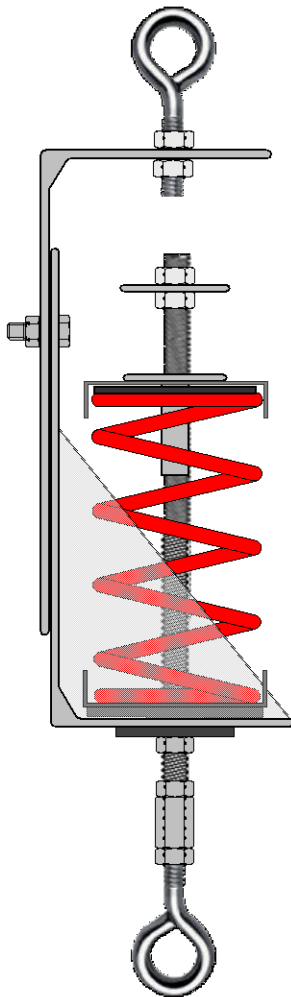
# RSIC-SI-WHI SOUND ISOLATION CLIP

## Concrete Ceilings: RSIC-SI-WHI clips installed 48" oc



- Resilient Sound Isolation Clips (RSIC-SI-WHI) shall be max 48 inches on center .
- Layout the RSIC-SI-WHI clips according to general guidelines represented in this installation manual.
- Any additional or non standard room dimensions need to be addressed by a professional engineer.
- Carefully remove RSIC-SI-WHI pre-assembled, and pre-calibrated clips from packaging.
- If needed install upper Eye bolt to hang from wire..
- Be cautious to not rotate the RSIC-SI-WHI clips separate from the Upper bracket. This may change the factory calibration of RSIC-SI-WHI.
- Verify the correct quantity of each RSIC-SI-WHI isolator (weight / color) is included in the shipment.
- Layout the RSIC-SI-WHI clips out on the floor (reflecting the ceiling above) Ensure there are no additional items required to complete the installation, IE: Additional blocking to support the RSIC-SI-WHI clips, or additional clips to support the drywall furring channel.
- Fasten the RSIC-OHD (Overhead Adapter) with fasteners approved for a minimum allowable load of 160 lbs. The RSIC-OHD is used for 5 to 40 lb springs. The RSIC-OHD and OHD Reinforcing plate must be used for all RSIC Spring Isolators over 40 lbs.
- Fasten the Resilient Sound Isolation Clip (RSIC-SI-WHI) to the RSIC-OHD (Overhead Adapter) with fasteners approved for a minimum pull-out and sheer of 200 lbs.
- Allow for 1/2" deflection after the gypsum board has been installed.
- Using a laser level, or tape measure set the height for all of the RSIC-SI-WHI brackets at the same height
- At the perimeter, the distance between the wall and first support for the drywall shall be less than 8"
- Wire tie 1.5" crc channel to lower hanger wire
- Wire tie the drywall furring channel to the cold rolled channel @ 24" oc or 16" oc. (24" oc for 1 or 2 layers of gyp board, 16" oc for 3 layers of gyp board)
- Optional, Field Calibrate each isolator based on the weight they will be holding. Variances in the field may require additional adjustment to ensure a consistent system. (see field calibration guide on page 5)

# RSIC-SI-WHI SOUND ISOLATION CLIP



## **Calibration and Adjustment:**

- To field adjust the RSIC-SI-WHI clip, rotate the Screw attaching the RSIC-SI-WHI clip to the spring. Clockwise to raise. In converse rotate the screw counter clockwise to lower. Lowering the RSIC-1 clip will not loosen the spring. To adjust the spring itself you will need to hold the top Cup washer and turn the threaded rod from the top side.
- The Pre-Calibration of the RSIC-SI-WHI clip is designed to deflect only 1/2" from its pre-loaded (pre-set) position after the 2nd layer gypsum board has been installed.

## **Ceilings:**

- Optional: Recommended add strong back consisting of 1.5" Cold Rolled Channel or 2 pieces of drywall furring channel nested together, on the top side of the standard drywall furring channel to assist in leveling the ceiling at or near the perimeter. The strong back shall be placed perpendicular to the main drywall furring channels
- Install the gypsum board to the drywall furring channel leaving a 1/8" to 1/4" gap around the perimeter of the entire ceiling.
- Caulk around the entire perimeter of the ceiling wall intersection.
- Use fire and smoke rated acoustical sealant where required.
- The RSIC-1 SI is engineered for use with a minimum of 2 layers of 5/8" gypsum board.
- \* RSIC OHD Adapter used for attaching directly to Concrete

## **General Information:**

- Resilient Sound Isolation Clip Spring Isolator (RSIC-SI-WHI), furring channel (hat track) and gypsum board shall not carry heavy loads such as Projectors, HVAC Ducting, Curtains, etc. For these items use additional RSIC isolation clips specifically designed for that purpose.
- Splice furring channel (hat track) with 6 inch overlap in mid span, secure with 18 ga. tie wire or with two framing screws (7/16")
- Seal all potential air leaks with non-hardening acoustical caulking to achieve best noise control results. Use fire rated sealant where required.
- When attaching the RSIC-SI-WHI clips to a steel Joist the minimum allowable thickness is 20 ga. (0.030).

## **Fire Test Information:**

[WWW.PAC-INTL.COM](http://WWW.PAC-INTL.COM)

Check UL Fire Resistance Directory File # R16638

Check UL's web pages. [www.ul.com/database](http://www.ul.com/database)

Contact UL (877) UL- HELPS

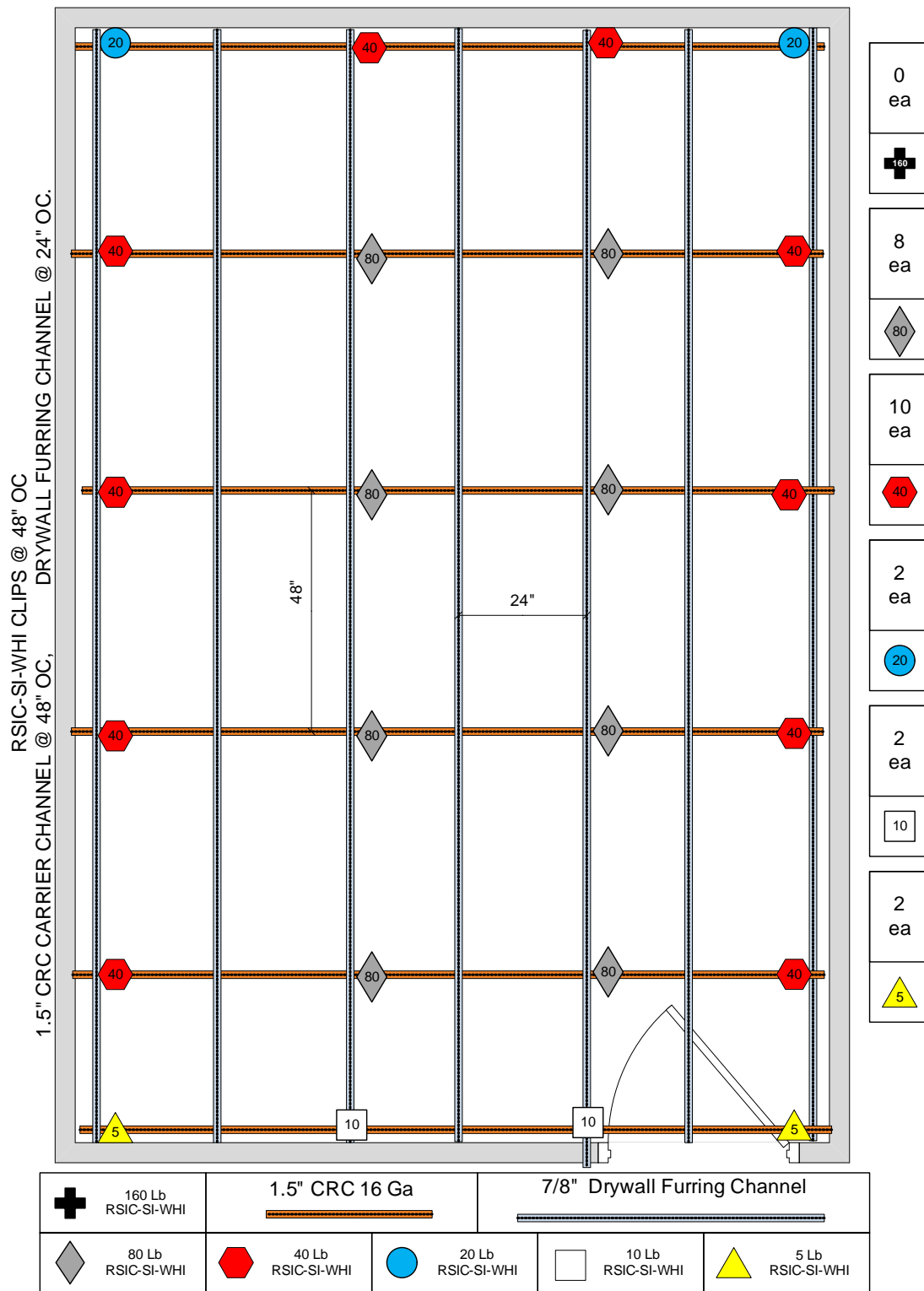
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# RSIC-SI-WHI SOUND ISOLATION CLIP

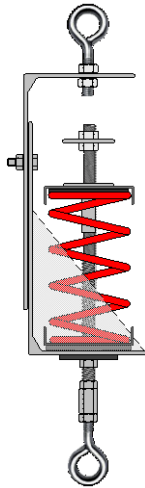
## Sample layout 48" oc.



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# RSIC-SI-WHI SOUND ISOLATION CLIP



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