

**RSIC-SI-CRC EZ INSTALLATION GUIDE**

# **RSIC-SI-CRC EZ**

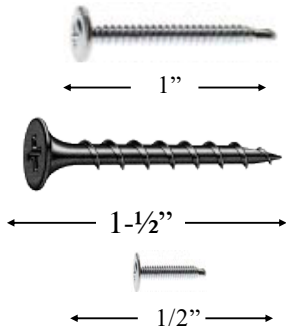
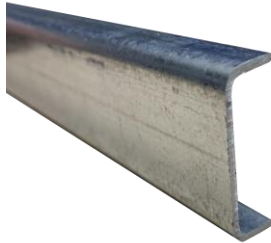
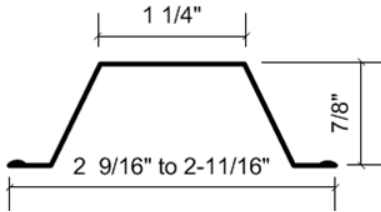
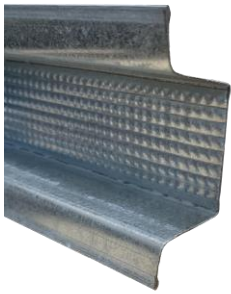


**SHIPPED FULLY  
ASSEMBLED  
AND CALIBRATED**

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# RSIC-SI-CRC EZ SOUND ISOLATION CLIP



## Drywall Furring Channel:

- **Furring Channel:** 25 gauge hemmed edge, or 20 gauge standard. Meets or exceeds SSMA requirements.
- **Depth:** 7/8 inch
- **Width Bottom:** 2-9/16" to 2-11/16" inch wide nominal.
- **Width Top:** 1-1/4 inch wide

Splice drywall furring channel (hat track) with 6 inch 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 code: 150U050-54
- CRC and Steel Studs must meet or exceed SSMA standards

## Fasteners:

- **RSIC-SI-CRC EZ to Wood:** 2 ea #10 x 1-1/2 inch minimum size coarse thread screw.
- **RSIC-SI-CRC EZ to Steel:** # 8 x 1 inch minimum size fine thread screw. (Recommended #12 or #10 x 1 inch hex head)
- **1.5" x 16 Gauge Cold Rolled Channel (CRC) 1/2" x 1.5"** Use min 9/16" self drilling framing screws to fasten the 1.5" CRC channel RSIC-SI-CRC EZ
- CRC and Steel Studs must meet or exceed SSMA standards

## RSIC-SI-CRC EZ Spring Isolator

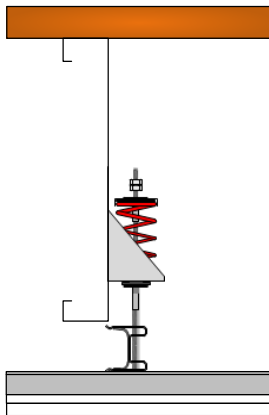
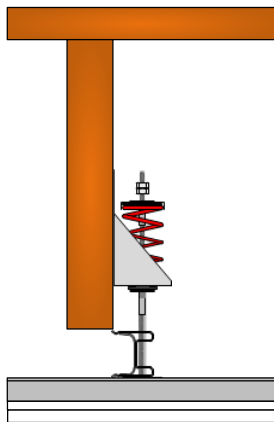
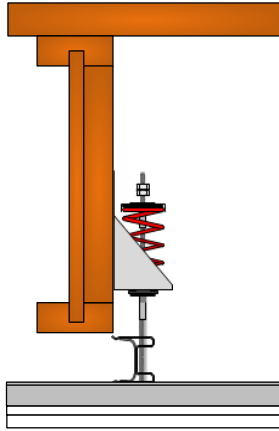
- **Maximum Spacing:** 48" oc. with Cold Rolled Channel
- **Finish elevation is 1/2" below preset height.**
- **Silver = 80 Lbs**
- **Red = 40 Lbs**
- **Green = 30 Lbs**
- **Blue = 20 Lbs**
- **White = 10 Lbs**
- **Yellow = 5 Lbs**

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## Ceilings: RSIC-SI-CRC EZ clips installed 48" oc

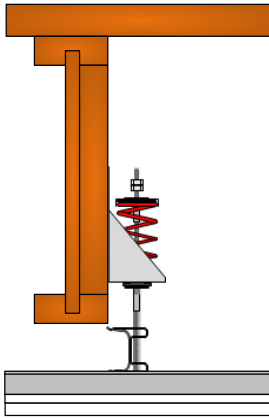
- Resilient Sound Isolation Clips (RSIC-SI-CRC EZ) shall be max 48 inches on center .
- Layout the RSIC-SI-CRC EZ clips according to general guidelines represented in this installation manual.
- Any additional or non standard room dimensions need to be addressed by a professional engineer.
- Carefully remove RSIC-SI-CRC EZ pre-assembled, and pre-calibrated clips from packaging.
- Be cautious to not rotate the RSIC-SI-CRC EZ clips separate from the Upper bracket. This may change the factory calibration of RSIC-SI-CRC EZ.
- Verify the correct quantity of each RSIC-SI-CRC EZ isolator (weight / color) is included in the shipment.
- Layout the RSIC-SI-CRC EZ 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-CRC EZ clips, or additional clips to support the drywall furring channel.
- Fasten the Resilient Sound Isolation Clip (RSIC-SI-CRC EZ) to the structure with fasteners approved for a minimum pull-out and shear of 200 lbs. Allowing 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-CRC EZ brackets at the same height
- At the perimeter, the distance between the wall and first support for the drywall shall be less than 8"
- Snap the 16 Ga cold rolled channel to the RSIC-SI-CRC EZ clip. This is a temporary connection to speed up installation.
- Screw the RSIC-SI-CRC EZ clip to the CRC channel with 2 1/2" min screws to make a permanent connection.
- 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)

- **Silver = 80 Lbs**
- **Red = 40 Lbs**
- **Green = 30 Lbs**
- **Blue = 20 Lbs**
- **White = 10 Lbs**
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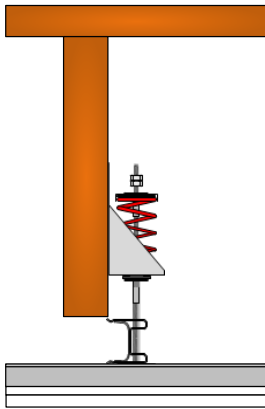


## Calibration and Adjustment:

- To field adjust the RSIC-SI-CRC EZ clip, rotate the Screw attaching the RSIC-SI-CRC EZ 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-CRC EZ 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:

- IF required 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-SI-CRC EZ 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-CRC EZ), 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-CRC EZ 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)

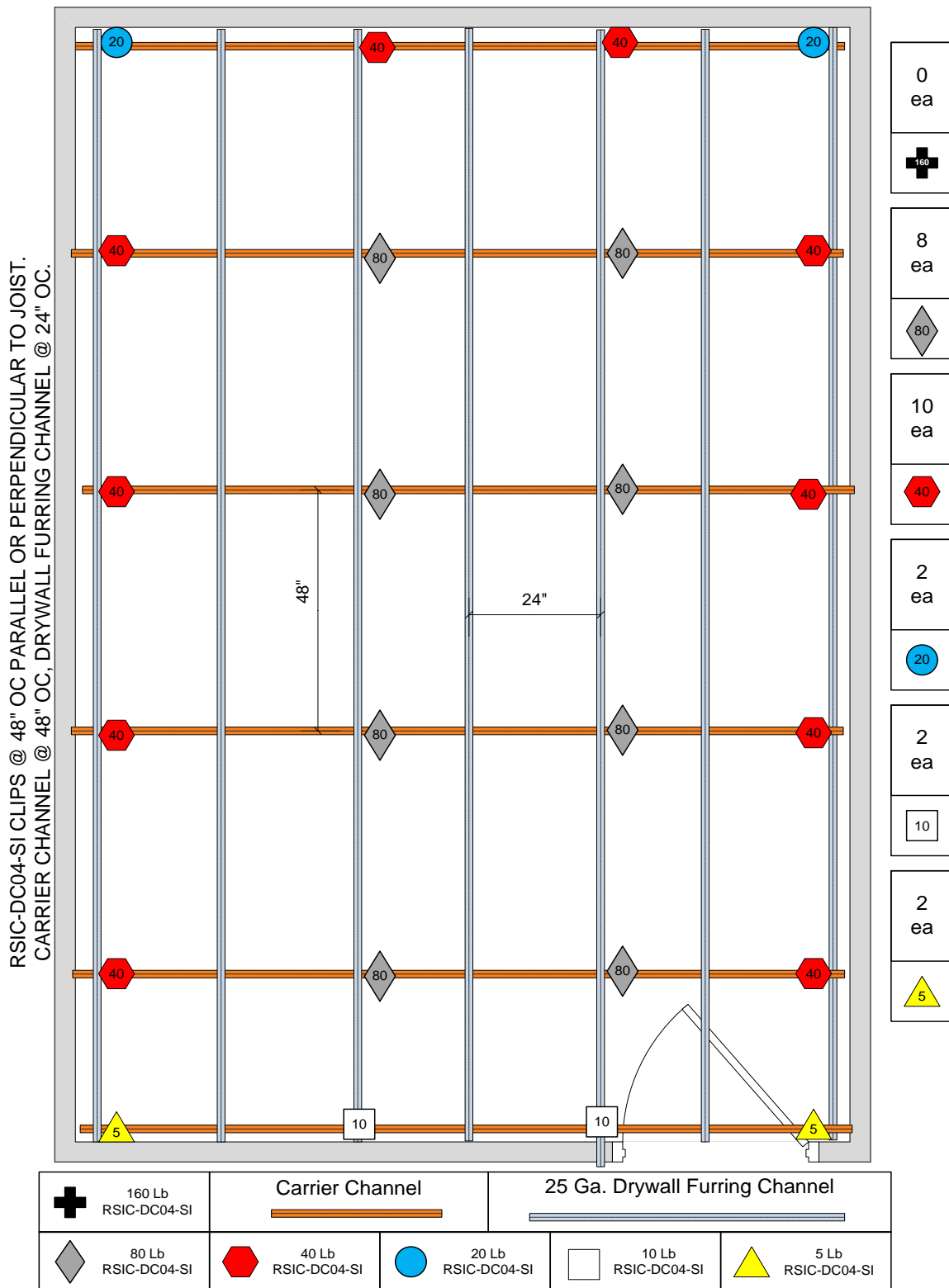
Contact UL (877) UL-HELPS

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## Sample layout 48" oc.



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