



RSIC-SI-X CRC

The RSIC-SI-X CRC is designed for use with any joist or concrete application where a dropped drywall ceiling is required. The CRC top clip snaps onto cold rolled channel, allowing for all of the wires supporting the cold rolled channel to be hard connected to the ceiling above, including the vertical strut. The RSIC-SI-X has an acoustical design load range from 7 lbs to 25 lbs per isolator, the RSIC-SI-X resilient sound isolation clip can support up to two layers of 5/8" gypsum board. The spacing at 16" x 48" oc is the same for 1 or 2 layers of gypsum board.

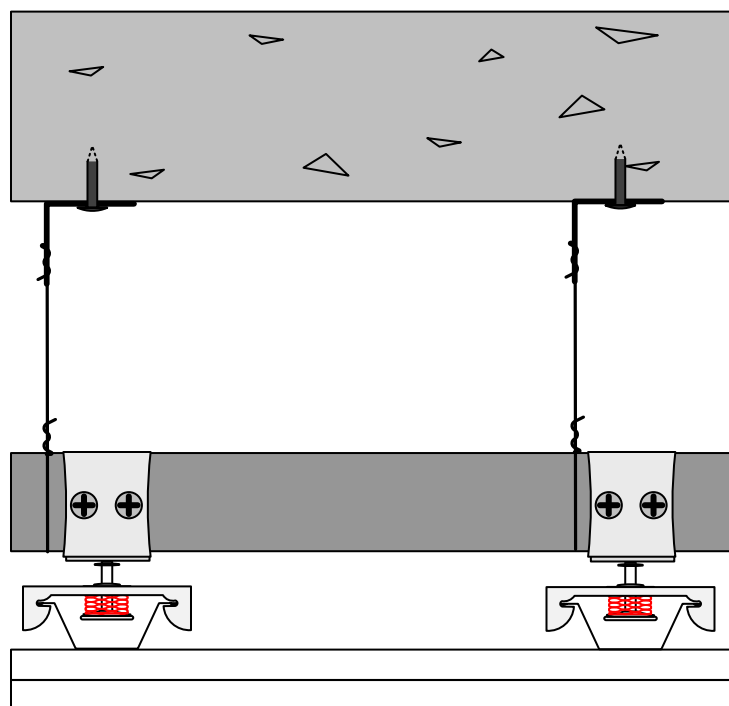


RSIC-SI-X CRC, the High Performance, Noise control Solution

Steel
Condo
Commercial

Apartment
Retail
Conference Rooms

Recording Studio
Home Theater
Commercial theater



RSIC-SI-X Specifications:

Acoustical design load:	7 lb to 25 lb
Total deflection	0.5"
Double deflection	YES
Adjustable	NO
Cavity min	3-½" nom
Cavity Max	No limit
Use on walls	No
Use on Ceilings	YES
New Construction	YES
Retro Fit	YES
Spring Isolation	Yes
Rubber Isolation	Yes
Pre-Calibrated	Yes
Pre-Assembled	Yes

Made, Tested, Engineered, Designed, and Calibrated In USA



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GYPSUM BOARD ASSEMBLIES 2024

PAC INTERNATIONAL, LLC.

1. Product Name

- RSIC-SI-X CRC Resilient Sound Clip
 - RSIC-SI-X CRC Resilient Sound Isolation Spring Clip

2. Manufacturer

PAC International, LLC
7260 W Azure Dr
Suite 140-213
Las Vegas, NV 89130
Phone: (866) 774-2100
Fax: (866) 649-2710
Email: info@pac-intl.com
Web: www.PACInternationalLLC.com

3. Product Description

RSIC-SI-X CRC

The RSIC-SI-X CRC is designed for use with ceiling system where noise control is needed. The RSIC-SI-X CRC assembly decouples and isolates the gypsum board or other sheet goods from the structure increasing the acoustical performance of the system.

The RSIC-SI-X CRC stops the noise and vibrations that typically would be allowed to transfer through the structure.

Materials and Composition

The RSIC-SI-X CRC spring and rubber isolator are made of rubber and/or manufactured rubber compound, and steel parts.

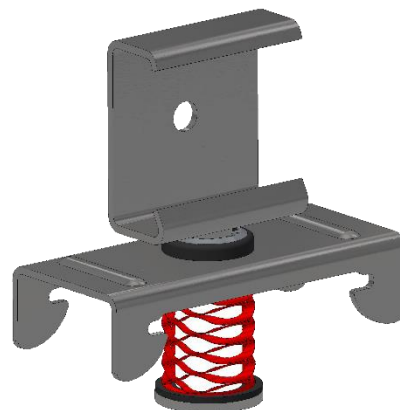
Environmental Considerations

The RSIC-SI-X CRC may contribute to LEEDS points, by reducing materials needed to achieve high STC and IIC floor ceiling systems.

Weight-bearing Information

With an acoustical design load rating of 26 pounds, 13 pounds and 7 pounds per isolator. The RSIC-SI-X CRC clip can support up to two layers of 5/8 inch gypsum board when spaced at 16" x 48" oc. For heavier systems increase the number of isolators and channel to support the additional weight of the system. The RSIC-SI-X CRC clip fastens directly to the underside of the structure.

RSIC-SI-X CRC



Product Limitations

For interior use only with operating temperatures of 40–100 degrees F (4.4–37.8 degrees C). Max load 26 Lbs, 13 Lbs, 7 Lbs.

4. Technical Data

Applicable Standards

ASTM International (ASTM)

- **ASTM E90** Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- **ASTM E492** Standard Test Method for Laboratory Measurement of Impact Sound Transmission Loss of Building Partitions and Elements
- **ASTM E413** Classification for Rating Sound Insulation

Underwriters Laboratories (UL)

- **UL Fire Resistance Directory**; www.UL.com or visit [here](#).

5. Installation

General installation: Follow manufacturer's specific installation instructions.

- Install RSIC-SI-X CRC Resilient Sound Isolation Spring Clip following the manufacturer recommendations.



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- Clip the resilient sound isolation clips to the 1.5" CRC channel, then screw the RSIC-1.5 CRC to the 1.5" CRC channel.
- Space resilient sound isolation clips at maximum of 16 x 48 inches (600 x 460 mm) on center ceilings
- Do not exceed design load (pull and shear) of 36 pounds per isolator clip.
- Install 7/8" 25 Ga drywall furring channel (Hat Channel) into RSIC-SI-X at a maximum of 16 x 48 inches on center. 7/8" 25 GA drywall furring channel snaps into the RSIC-SI-X bottom part.
- Splicing Drywall Furring Channels:
 - Splice drywall furring channels with minimum of six inch overlap.
 - Secure laps with two framing screws or 18 gauge tie wire double wrapped
 - Locate splices between resilient sound isolation clips
 - Do not locate splices on resilient sound isolation clips
- Flanking Noise:
 - Review installation details to prevent structure-borne flanking noise
 - Do not allow drywall furring channels or gypsum board to contact wall framing members
- Gypsum Board:
 - Install gypsum board in perpendicular to the Drywall Furring Channel. Leave a 1/4 inch (6 mm) gap around perimeter for acoustical sealant application
 - Install gypsum board in accordance with ASTM C840 as specified in Section 09250
- Acoustical Sealant:
 - Seal potential air leaks with acoustical sealant to achieve best Field Sound Transmission Class (FSTC)
 - Seal electrical outlets and penetrations with acoustical sealant • Apply fire-rated acoustical sealant at locations where fire- rated assembly is required
- Putty Pad Sealant: acoustically seal with putty pads, electrical boxes in walls and ceilings in which resilient sound isolation clips are used 6. Availability and Cost Please contact PAC International, LLC. for availability and pricing information.

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7. Warranty

RSIC-SI-X CRC clips are guaranteed free of manufacturer defects. Only remedy is the replacement of the defective component or components. Manufacturer is not liable for delays or extra costs.

8. Maintenance

No maintenance is necessary.

9. Technical Services

PAC International LLC. offers online product pages, installation guides, and specification sheets. Technical information can be found on the website, <http://www.PACInternationalLLC.com> or by calling 866-774-2100

Fire ratings, sound test assemblies, CAD drawings, assembly drawings and clip specifications are also on the website.

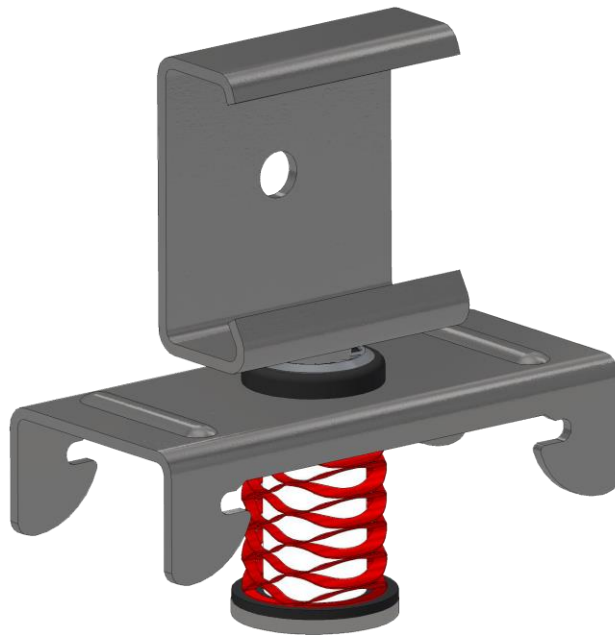
10. Filing Systems

- Additional product information is available from the manufacturer upon request

RSIC-SI-X CRC SOUND ISOLATION CLIP

RSIC-SI-X CRC INSTALLATION GUIDE

RSIC-SI-X CRC

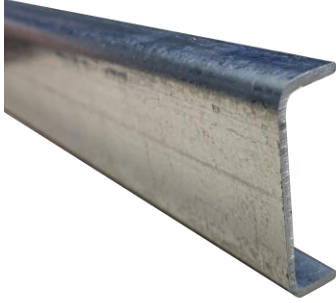


**SHIPPED FULLY
ASSEMBLED
AND CALIBRATED**

PAC International, Inc. Tel: (866) 774-2100 Web Site: www.PACInternationalLLC.com

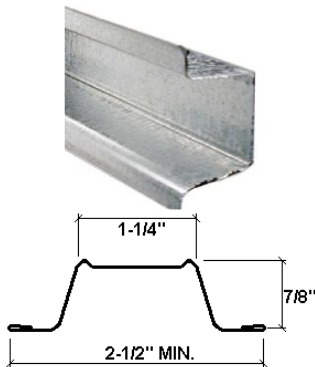
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RSIC-SI-X CRC SOUND ISOLATION CLIP



Cold Rolled Channel:

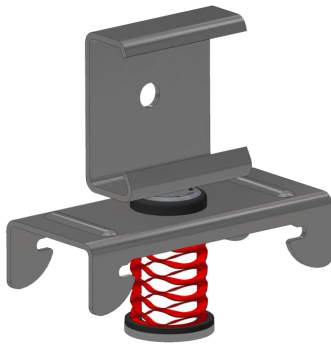
- **Minimum requirements:** 16 gauge 1.5" wide. Meets or exceeds SSMA min. requirements.
- **Depth:** 1/2 inch
- **Width:** 1-1/2 inch wide minimum.



Drywall Furring Channel:

- **Minimum Requirements:** 25 gauge, hemmed edge detail required on all 25 gauge furring channel. Meets or exceeds SSMA requirements.
- **Depth:** 7/8 inch
- **Width Bottom:** 2-1/2 inch wide minimum.
- **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.



Resilient Sound Isolation Clip (RSIC-SI-X CRC)

- Spacing: maximum 16 inches on center
- Maximum acoustical design load: 7 lbs to 26lbs
- RSIC-CRC clip is designed for use with any joist or concrete application where a dropped drywall ceiling is required.

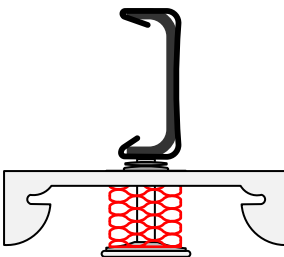
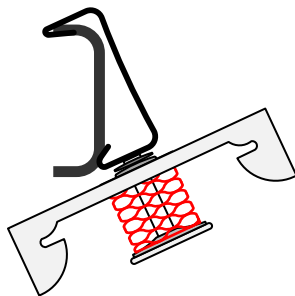
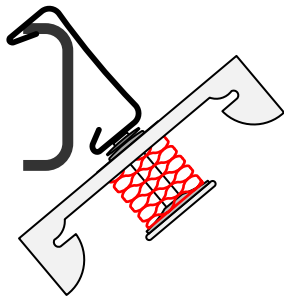
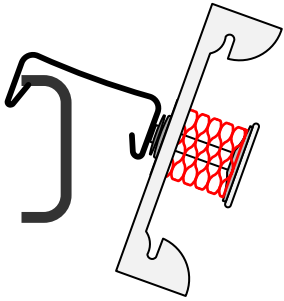


Resilient Sound Isolation Clip (RSIC-SI-X Spring)

- **Maximum Spacing:** 48 inches on center
- **Design Load at 3/8" deflection from free height**
- **Red = 26 Lbs**
- **Blue = 13 Lbs**
- **White = 7 Lbs**

RSIC-SI-X CRC SOUND ISOLATION CLIP

RSIC-SI-X CRC INSTALLATION GUIDE



Ceilings:

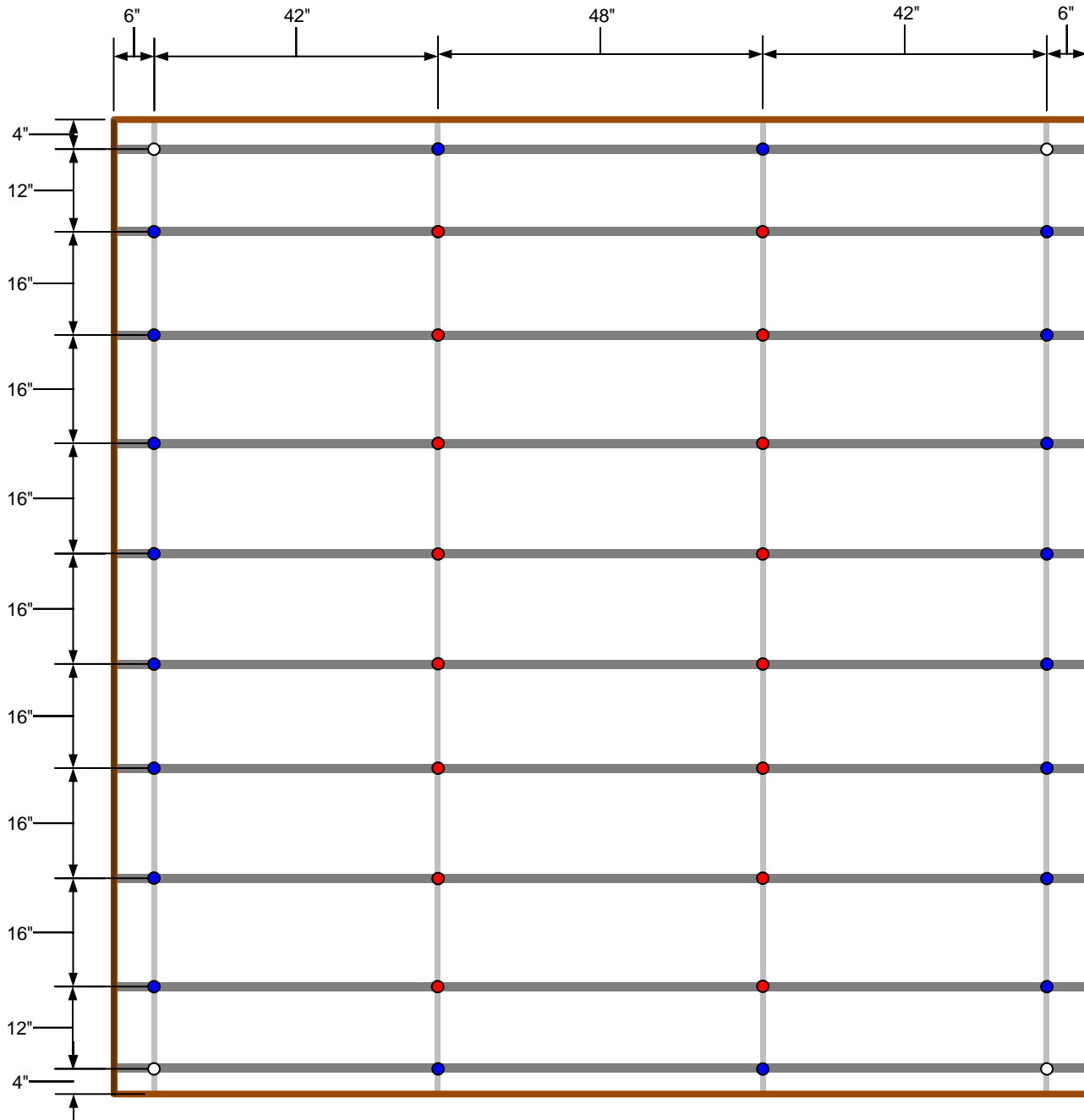
- Resilient Sound Isolation Clips (RSIC-SI-X CRC Spring) maximum spacing 16" x 48" on center .
- Layout the RSIC-SI-X CRC Spring clips according to general guidelines represented in this installation manual.
- Any additional or non standard room dimensions need to be addressed by a professional engineer.
- Verify the correct quantity of each RSIC-SI-X CRC Spring isolators (weight / color) is included in the shipment.
- Layout the RSIC-SI-X CRC Spring clips out on the floor (reflecting the ceiling above) Ensure there are no additional items required to complete the installation.
- Red 26 Lb clips are for the field
- Blue 13 Lb clips are for the field, edge.
- White 7 Lb clips are for edge, corner, and or infill where additional support is needed
- Connect the Resilient Sound Isolation Clip (RSIC-SI-X CRC) to the cold rolled channel
- Ensure the RSIC-SI-X CRC clips are tight to the cold rolled channel
- Snap in the drywall furring channel (hat track) into the RSIC-SI-X CRC clips
- Install the gypsum board to the drywall furring channel leaving a 1/4" min. gap around the perimeter of the ceiling
- Caulk around the perimeter of the ceiling. Use fire and smoke rated acoustical caulking where required

General Information:

- Resilient Sound Isolation Clip (RSIC-SI-X CRC), furring channel (hat track) and gypsum board shall not carry heavy loads such as cabinets or bookshelves.
- 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.

RSIC-SI-X CRC SOUND ISOLATION CLIP

RSIC-SI-X CRC SPRING INSTALLATION WITH CRC FRAMING SPACED @ 48" OC. RSIC-SI-X CRC @ 16" OC.



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LEED Analysis
RSIC-SI-X CRC

Recycled Content

PAC International's RSIC-SI-X CRC does not contain significant recycled content.

Fabrication Location

The RSIC-SI-X CRC is manufactured in Canby, OR 97013

Material Source

The extraction points for the materials in these products cannot be verified. Assume they are outside the 500 mile radius.



Safety Data Sheet

Article Statement

(PAC International, LLC Wall and Ceiling Isolation Products)

This document is provided for clarification of the Safety Data Sheets that you have requested for our product(s). OSHA Hazard Communication Standard requires a SDS for hazardous chemicals; however, the standard exempts all articles from the requirement. The explanation of an article is described per OSHA definition below.

Pursuant to 29 CFR 1910.1200 (b) (6) (v) and (c), the product described herein is an “article” or is otherwise excluded from OSHA regulations requiring that a Material Safety Data Sheet be prepared for it.

An article defined: manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacturing; (ii) which has an end use function (s) dependent in whole or in part upon its shape or design during end use; and (iii) which does not release, or other wise result in exposure to, a hazardous chemical under normal conditions of use.

For technical information and additional resources covering these products please refer to PAC International published literature, e.g., data sheets, product drawings, and installation guidelines at www.PACInternationalLLC.com

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.



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RSIC Product Warranty Disclaimer

WARRANTY DISCLAIMER AND LIABILITY LIMITATION LANGUAGE

WARRANTY AND DISCLAIMER AND LIABILITY LIMITATION LANGUAGE ONE YEAR WARRANTY Seller warrants to the original purchaser that its products are free from defects in material or workmanship for one year from the date of purchase from seller. Any allegedly defective product that is portable must be returned to seller prepaid. If upon examination it appears to seller's satisfaction that the product is defective, seller shall repair, replace, or return the purchase price of the product at seller's option. EXCEPT FOR THE FOREGOING, THERE IS NO OTHER WARRANTY, REPRESENTATION OR CONDITION OF ANY KIND; AND ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS EXCLUDED AND DISCLAIMED. Some states do not allow limitations on implied warranties, so the above limitation may not apply to you.

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IT IS AGREED THAT SELLER'S LIABILITY AND PURCHASER'S SOLE REMEDY, WHETHER IN CONTRACT, UNDER ANY WARRANTY, IN TORT (INCLUDING NEGLIGENCE), IN STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY PURCHASER, AND UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, DAMAGE TO OR LOSS OF EQUIPMENT, LOST PROFITS OR REVENUE, COSTS OF RENTING REPLACEMENTS AND OTHER ADDITIONAL EXPENSES, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE PRICE STATED FOR THE EQUIPMENT IS A CONSIDERATION IN LIMITING SELLER'S LIABILITY AND PURCHASER'S REMEDY. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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SELLER WILL NOT BE LIABLE FOR ANY DAMAGES, LOSSES OR EXPENSES AS A RESULT OF PURCHASER'S NEGLIGENCE, WHETHER DEEMED ACTIVE OR PASSIVE AND WHETHER OR NOT ANY SUCH NEGLIGENCE IS THE SOLE CAUSE OF ANY SUCH DAMAGE, LOSS OR EXPENSE.

MODEL FOR DEMONSTRATION PURPOSES ONLY

THE MODEL OR SAMPLE SHOWN BY SELLER TO BUYER IS USED FOR DEMONSTRATION PURPOSES ONLY. THERE IS NO WARRANTY THAT THE GOODS AS DELIVERED SHALL CONFORM TO THE MODEL OR SAMPLE, AND CONFORMITY OF THE GOODS TO THE MODEL OR SAMPLE IS NOT PART OF THE BASIS OF THE BARGAIN BETWEEN SELLER AND BUYER.

NO WARRANTY OR COMPLIANCE WITH SAFETY CODE OR REGULATION

SELLER DOES NOT WARRANT THAT ANY OF THE GOODS SOLD WILL MEET OR COMPLY WITH THE REQUIREMENTS OF ANY SAFETY CODE, BUILDING OR DWELLING CODE, OR REGULATION OF ANY STATE, MUNICIPALITY OR OTHER JURISDICTION.

NEVADA LAW APPLIES

SELLER AND BUYER AGREE THAT ALL ASPECTS OF THIS TRANSACTION INCLUDING THE APPLICABLE STATUTE OF LIMITATIONS SHALL BE GOVERNED BY THE INTERNAL LAW OF THE STATE OF NEVADA, AND NOT THE LAWS OF CONFLICTS.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state