

# Branch Line Restraint System

Traditional methods for installing branch line restraints in fire sprinkler systems are cumbersome and time-consuming. Contractors often cut (and re-cut) threaded rod to precise measurements to restrain the sprinkler pipe with a loop hanger and surge restraint. Traditional methods also commonly require five or more parts per restraint.

To avoid these labor-intensive methods, nVent has streamlined the process and developed the Branch Line Restraint System, part of the nVent CADDY line of hanging and bracing solutions for the fire protection market. Ideal for restraining 1" (25 mm) through 2" (50 mm) branch lines, this innovative system is significantly faster and easier to install than current methods. It attaches directly to steel bar joists, I-beams or purlins, as well as concrete and wood structures. The hardware is installed with only one tool, a 5/16" (8 mm) socket drill driver, which provides significant labor savings and convenience. It features a simple, two-step installation process, allowing a time savings of up to 80% compared to other methods.

Unlike most solutions that only accept 3/8" (M10) threaded rod, the versatile Branch Line Restraint System features a swivel attachment that can be rotated to accept 3/8" or 1/2" (M10 or M12) threaded rod. This allows greater restraint distances from the pipe to structure with 1/2" (M12) threaded rod.

The system meets the requirements of NFPA® 13, making it ideal for new construction applications. The total system is cULus® Listed and FM® Approved, and has been pre-approved by the state of California (OSHDP OPA-2629-10).

- Complete restraint system is quick and easy to install
- Offers up to 80% time savings per branch line restraint
- Eliminates need to cut threaded rod to exact dimensions
- Works with 3/8" and 1/2" (M10 and M12) rod
- Capable of restraint distances up to 40" (960 mm) from pipe to structure with 1/2" (M12) threaded rod
- Meets requirements of NFPA® 13 section 9.3.6



Branch Line Restraint  
Pipe Attachment



Branch Line Restraint  
Structure Attachment to Steel



Branch Line Restraint Structure  
Attachment to Wood/Concrete



Branch Line Restraint Structure  
Attachment to Threaded Hole

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**WARNING**

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.erico.com](http://www.erico.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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