

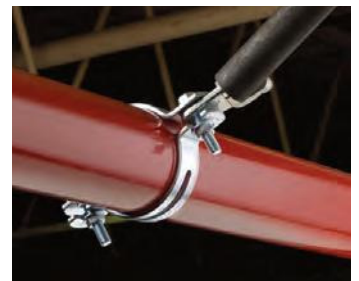
Innovative Products from a Trusted Leader

To help ensure the availability and operation of safety systems after an earthquake event, many building and industry codes now include requirements for the design and installation of seismic sway bracing for non-structural components, such as fire sprinkler, mechanical, electrical and plumbing systems. The innovative line of nVent CADDY Bracing Systems was developed to help keep fire sprinkler systems intact after a seismic event and to minimize water damage resulting from leaks or ruptures.

Bracing Systems provide contractors with high-quality, engineered solutions, which include rigid bracing, cable bracing and rod stiffeners.

FEATURES:

- Quick and easy installation
- Lower total installed cost
- OSHPD® Pre-Approved
- Meets NFPA® 13
- cULus® Listed
- FM® Approved

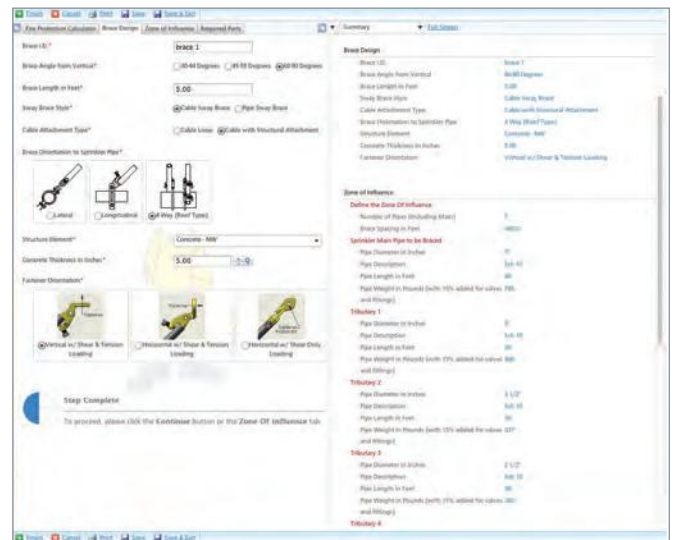
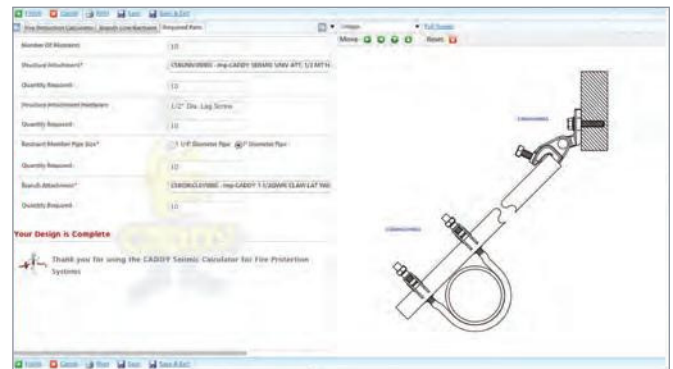
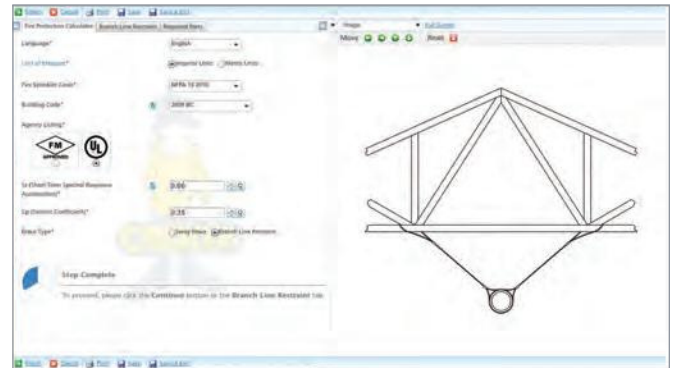


nVent CADDY Bracing System Software

Now it's easier than ever to select the correct bracing products for use in fire protection applications. The Bracing Systems Calculator is a new web-based calculator which allows users to create and save designs for multiple projects while providing the necessary submittal forms. This time-saving calculator simplifies the selection of products and provides the necessary engineering calculations – providing a complete solution to support rigid bracing, cable bracing and branch line restraints.

FEATURES

- No installation needed – access via a current web browser
- Offers dynamic design preview and uses visual design tools
- Generates a complete submittal for NFPA or FM designs
- Create, manage, and re-use designs
- Supports NFPA® 13 including 2013 ed., IBC® and other building codes
- Ability to generate a material list (bill of material) with nVent CADDY products as well as other required materials (pipe, anchors, etc.)



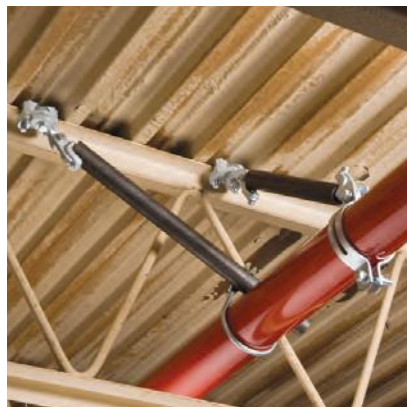
Rigid Bracing System



The nVent CADDY line of innovative rigid bracing products was designed to provide superior performance and meet the highest seismic load requirements. The products have been designed with the end user in mind and provide contractors with labor-saving features to promote quick and easy installation. The system of products supports lateral and longitudinal bracing and offers a wide range of structural and pipe attachments.

FEATURES:

- Patent-pending lateral braces eliminate need for multiple trips up and down ladders
- Adjustable design can be used with different brace pipe sizes, providing flexibility on the jobsite and reducing contractor inventory
- Snap-off bolt heads help make installation and inspection quick and easy
- Single wrench size installs all products
- For use with brace pipe lengths up to 19' - 8" (6m)
- cULus® Listed
- FM® Approved
- OSHPD® Pre-Approved (OPA-2629-10) to the 2010 California Building Code and (OPM-0062-13) to the 2013 California Building Code





Bar Joist Attachment
(Also for I-Beams)
CSBBARJ**



Adjustable I-Beam
Attachment
CSBIB#####**



I-Beam Attachment
CSBBC#####



Multi Attachment
CSBMA#####**



Universal Structural
Attachment ("UNIV")
CSBUNIV#####



Easy Universal
Sway Brace ("EZU")
CSBEZU#####**



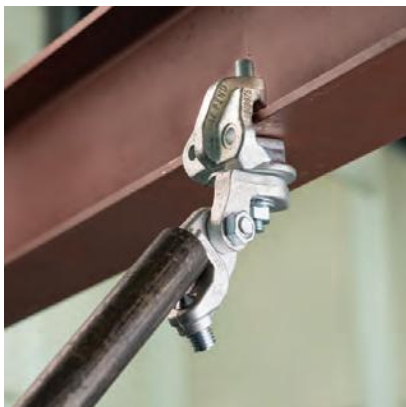
Standard Universal
Sway Brace ("STU")
CSBSTU#####**



Quick Grip Jr.
Lateral Sway Brace
CSBQIKL#####**



Quick Grip Lateral
Sway Brace ("QG")
CSBQG#####**



= Sprinkler pipe size
****** = Finish - ie EG
CSBBSTU**0250**EG = 2 1/2" pipe size,
ElectroGalvanized

Now There's a Faster, Easier Way to Restrain Branch Lines in a Fire Sprinkler System



THE NEW NVENT CADDY BRANCH LINE RESTRAINT SYSTEM

- Complete restraint system includes structure and pipe attachments
- Works with 3/8" and 1/2" rod
- Quick and easy installation
- Meets NFPA® 13
- cULus Listed and FM® Approved
- OSHPD pre-approved



WIDE RANGE OF STRUCTURAL ATTACHMENTS:



Steel



Threaded Insert



Wood/Concrete

PIPE ATTACHMENT:



ANOTHER INNOVATIVE HANGING & BRACING FIRE PROTECTION SOLUTION FROM NVENT CADDY.

FM is a registered certification mark of FM Approvals LLC, LTD.
NFPA is a registered trademark of the National Fire Protection Association.

**SAVE TIME ON YOUR NEXT INSTALLATION
WITH THE BRANCH LINE RESTRAINT SYSTEM.
VISIT NVENT.COM/CADDY FOR FULL DETAILS.**

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 CADDY has streamlined the process and developed the Branch Line Restraint System, part of the 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 (OSHPD OPA-2629-10 & OPM-0062-13).



Branch Line Restraint Pipe Attachment
CSBBRP####**



Branch Line Restraint Structure Attachment to Steel
CSBBRS1EG



Branch Line Restraint Structure Attachment to Wood/Concrete (No seismic approval in concrete)
CSBBRS2EG



Branch Line Restraint Structure Attachment to Threaded Hole (Concrete anchor, beam clamp, through bolt steel)
CSBBRS3EG

= Sprinkler pipe size

** = Finish - ie EG

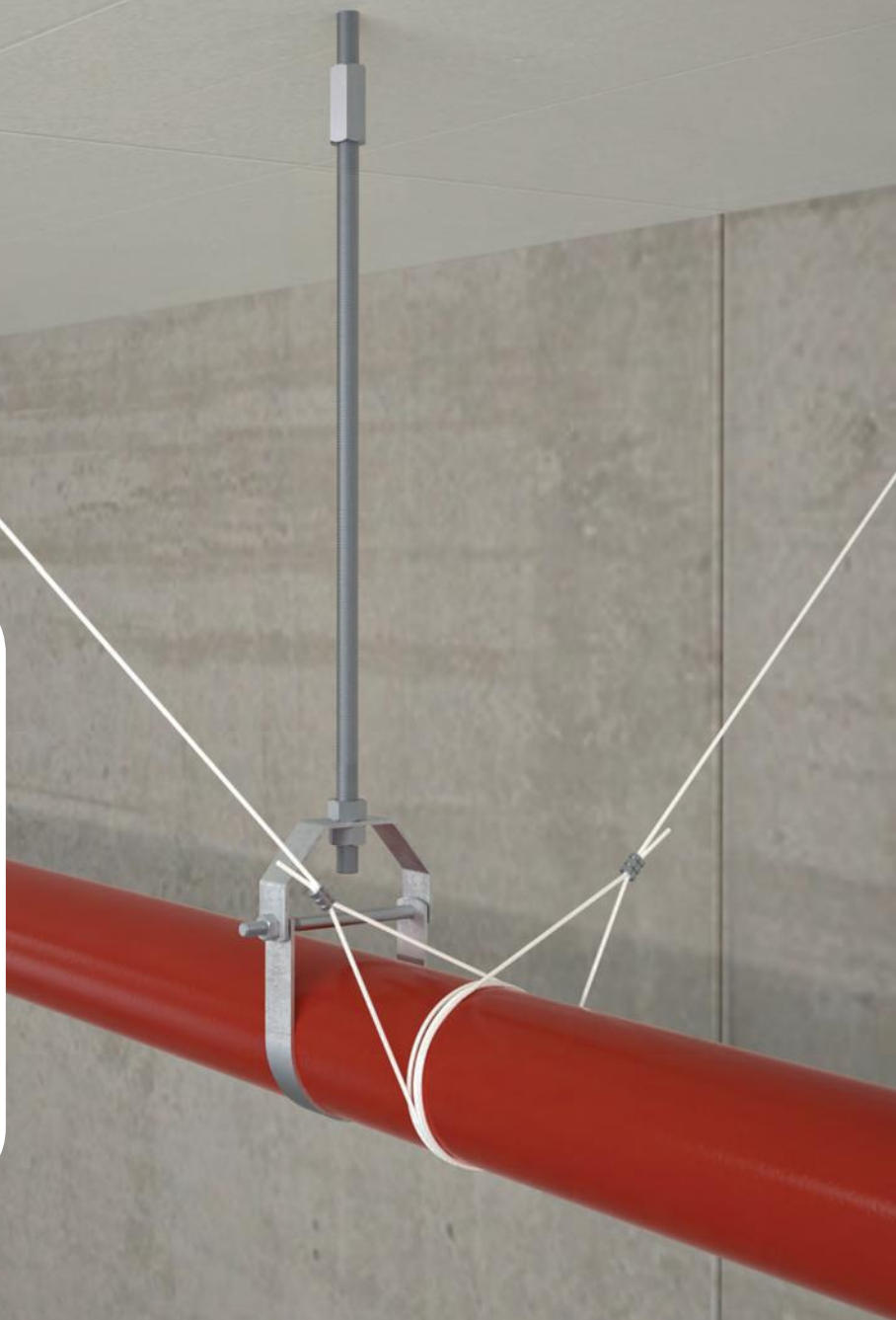
CSBBRP0150EG = 1 1/2" pipe size, ElectroGalvanized

Cable Bracing System

nVent CADDY cable bracing is an ideal alternative to rigid bracing for fire sprinkler systems when brace lengths greater than 19'- 8" (6m) are required or when confined/crowded spaces make rigid systems difficult to install. The system includes pre-stretched steel cable, attachment fittings, crimping sleeves and related tools. The system can also be used to brace electrical, mechanical and plumbing systems.

FEATURES:

- Color-coated cable conforms to NFPA® 13 requirements and makes it highly visible and easier to identify cable sizes
- UL® Listed
- OSHPD® Pre-Approved (OPA-0619)
- Made in the USA





Cable Spool
CSB##CBL



Crimping Sleeve
CSB##SLVB



Stake Eye Kit
CSB##BD##L10



Loop Attachment Clip
CSB##B##L##



No Pry Clip
CSBNPC##



Universal Restraint Clip
CSBURC####



Universal Restraint Clip,
Retrofit
CSBURCR##



Cable Cutter
CSBC9



Manual Swaging Tool
CSB12SBHS, CSB48



Multi-Size Manual
Swaging Tool
CSB3346SB



Power Swaging Tool
CSBHS02



Die Set for Power
Swaging Tool
CSBDI##



= Multiple sizes Available
CSB**12**CBL = #12 brace size

Bracing Accessories



Strut Seismic Hinge
CSBSH#####**



Pipe Rod Stiffener
CSBRS1



Strut Rod Stiffener
CSBRS37EG



Shear Bolt
**CSBBARJSB50EG,
CSBIBSB50EG,
CSBUNIVSB62EG**



Shear Nut
**CSBQIKCLSN37EG,
CSBIBSN37EG**

= hole size
** = Finish - ie EG
CSBSH**0050**EG = 9/16 hole size,
Electrogalvanized