Fire Sprinkler Hanging & Bracing Products

Innovative Hanging & Bracing Fire Protection Solutions
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 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.

CADDY 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
• Meets NFPA® 13
• OSHPD® Pre-Approved
• cULus® Listed
• FM® Approved
Now it’s easier than ever to select the correct CADDY® bracing products for use in fire protection applications. ERICO has unveiled the CADDY® Bracing Systems Calculator, 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 CADDY products as well as other required materials (pipe, anchors, etc.)
Rigid Bracing System

The 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
Quick Grip Jr. Lateral Sway Brace
CSBQIKCL####**

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
CSBQIKCL####**

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

#### = Sprinkler pipe size
** = Finish - ie EG
CSBBSTU0250EG = 2 1/2” pipe size, Electrogalvanized
Now There's a Faster, Easier Way to Restrain Branch Lines in a Fire Sprinkler System

The New 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 ERICO.

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 erico.com for full details.
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, ERICO has streamlined the process and developed the Branch Line Restraint System, part of the 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 (OSHPD OPA-2629-10 & OPM-0062-13).

**### = Sprinkler pipe size**
** ** = Finish - ie EG
CSBBRP0150EG = 1 1/2" pipe size, Electrogalvanized
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##**

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**### = Multiple sizes Available**  
**CSB12CBL = #12 brace size**
Bracing Accessories

Strut Seismic Hinge
CSBSH****

Pipe Rod Stiffener
CSBR51

Strut Rod Stiffener
CSBR537EG

Shear Nut
CSBQIKCLSN37EG, CSBIBSN37EG

Shear Bolt
CSBBARJSB50EG, CSBIBSB50EG, CSBUNIVSB62EG

Shear Nut
CSBQIKCLSN37EG, CSBIBSN37EG

### = hole size
** = Finish - ie EG
CSBSH00500EG = 9/16 hole size, Electrogalvanized
Pipe Hangers

115 Standard Duty Loop Hanger
115####**

Surge Restraint SR6

FCS Height Adjustable Loop Hanger (for metric applications)
FCS####**

Yook Hanger 135####**

105 Stainless Steel Loop Hanger 105####S*

115N Standard Duty Loop Hanger, No Insert Nut (for metric applications)
115N####EG*

401 Galvanized Clevis Hanger 401####HD

410 Light Duty Clevis Hanger 410####**

512 CADDY® EZ RISER for Close Quarters 512####**

510 CADDY® EZ RISER 510####**

HD NI Heavy Duty Pipe Clamp, Fire/Sprinkler (for metric applications)
HDN####

455 Malleable Split Ring Hanger 455####**

456 Malleable Split Ring Hanger for Copper Tube 456####CP

### = pipe size
** = Finish - ie EG
1150400EG = 4" pipe size, Electrogalvanized

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The CADDY SOSR is designed for CPVC and is UL approved for side of joist installations and bottom of joist installations. It has a live hinge that opens to simplify installation. Some flimsy CPVC products are not approved for side of joist installations and do not meet NFPA® 13 surge requirements.

### CPVC Hanging System

**107 Wraparound Strap for CPVC Pipe**

**108 2-Hole Strap for CPVC Pipe**

**109 Side Mount Strap for CPVC Pipe**

**SOSR Stand Off 2-Hole Strap for CPVC Pipe**

**CADDY® MACROFIX PLUS NI with Easy Closure**

**3TW Fastener for SOSR Series wood screw backing nut**

**Easy Snap Grommet for Factory Punched Holes**

**ESGFP**

**Snap-On Nail Plate**

**304B2**

### Notes:

- #### = pipe size
- ** = Finish - ie EG
- SOSR100 = 1” pipe size, Electrogalvanized
The CADDY® ROD LOCK family of products allows contractors to prefabricate complex assemblies at ground level or offsite, and then easily lift and lock them into place by pushing the threaded rod supports into the CADDY ROD LOCK device. This ingenious technology works with threaded rod with burrs or imperfections, helping to eliminate clean-up time or the need to replace damaged threaded rod.

The most unique feature of the system is its breakthrough “push-to-install” design, which dramatically reduces the installation time of threaded rod support structures when compared to conventional fasteners. Simply speaking – CADDY ROD LOCK is revolutionizing how contractors support conduit, cable tray, lights, ductwork and pipe by helping to make installations faster, easier and more secure.

CADDY® ROD LOCK
Beam Clamp
CRLB##**

CADDY® ROD LOCK
Beam Clamp, Thick Flange
CRLB##**

CADDY® ROD LOCK
Anchor Screw
CRLA##**

CADDY® ROD LOCK
Plywood Form Preset Anchor
CRLWM##**

CADDY® ROD LOCK Nut
CRLN##**

SN Series Nut
SN##

CADDY® ROD LOCK
Channel Nut
CRLS##**

CADDY® ROD LOCK L-Bracket
CRLL##**

CADDY® ROD LOCK
Strut, Perforated
CRLP###L##

CADDY® ROD LOCK
Telescoping Strut Replacement
TSR200##RL

### = threaded rod size
** = Finish - ie EG
CRLB37EG = 3/8 rod size, Electrogalvanized
Structural Attachments

327 Malleable Iron Side Beam Attachment
327####**

326 Universal Steel Side Beam Attachment
326####**

329 Side Beam Attachment
329####**

328 Threaded Steel Side Beam Attachment
328####**

310 Universal Beam Clamp, Wide Mouth
310####**

305 Stainless Steel Top-Mount Beam Clamp
305####S*

300C Standard Retainer Strap
300C####**

34SL Retrofit Retainer Strap
034SL####**

PH Multi-Purpose Purlin Clamp
PH6FP

PHSW Multi-Purpose Purlin Clamp with Swivel
PHSW6FP

315 Malleable Iron Purlin Clamp
315####**

325 Steel Side Beam Attachment
325####**

300 Universal Beam Clamp
300####**

SBC Stamped Beam Clamp, Top Mount
SBC037 / SBCM10

300C Standard Retainer Strap
300C####**

034SL Retrofit Retainer Strap
034SL####**

### = Multiple sizes available  ** = Finish - ie EG
3000037EG = 3/8 rod size, Electrogalvanized
300C3712EG = 3/8 rod size, 12” length
37 Steel Eye Socket Rod Hanger
037####**

38 Offset Steel Eye Socket Rod Hanger
038####**

365 Steel Wall or Ceiling Plate
365####**

365M Malleable Iron Wall or Ceiling Plate
365M####**

PBF Two Hole Base Plate for Threaded Rod (for metric applications)
PBR#L##

PBF Two Hole Base Plate for Threaded Pipe (for metric applications)
PBT#L##

PBF Four Hole Base Plate for Threaded Pipe (for metric applications)
PBH#L##

352 Standard Duty Welded Wall Bracket
352####**

353 Heavy Duty Welded Wall Bracket
353####**

Triangular Wall Bracket, Four/Three Hole (for metric applications)
SCT02

Triangular Wall Bracket, Four/Two Hole (for metric applications)
SCT03

TBHK Trapezoidal Deck Hanger (for metric applications)
TBHK

370A Single Concrete Insert Plate and Rod
370A####**

355 Concrete Insert Plate
355####**

355N Nut for 355 Series
355N####**
Pipe Supports

721 Pipe Support with U-Bolt
721####PL

722 Adjustable Pipe Support
722####PL

723 Adjustable Pipe Support Assembly
723####PL

724 Adjustable Pipe Support Assembly with U-Bolt
724####PL

### = pipe size
7210600PL = 6” pipe size

Visit the ERICO website at www.erico.com for new product information, up-to-date product specifications and applications, a list of upcoming events and industry tradeshow participation and more.

A full literature library provides pertinent literature in an easy-to-download PDF format. This is a great way to stay informed on all the current publications. New product brochures and datasheets are posted as soon as they are printed.

In the News & Events section, customers can find new product updates, press releases and lists of seminars.

Locations and contact information is listed for ERICO offices around the world as well as where to buy ERICO products.

www.erico.com provides a convenient way to get the answers you need day or night. Visit ERICO online.
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<tr>
<th>Hardware</th>
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<tr>
<td><strong>Threaded Rod</strong></td>
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<td>050####**</td>
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<tr>
<td><strong>EM-HEX Rod Coupler</strong></td>
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<tr>
<td>025####EG</td>
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<tr>
<td><strong>25R Hex Rod Reducer</strong></td>
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<tr>
<td>025R####EG</td>
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<tr>
<td><strong>150M Standard U-Bolt</strong></td>
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<td>150M#####</td>
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<td><strong>42 Hex Head Lag Screw</strong></td>
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<td>042####EG</td>
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<tr>
<td><strong>43 Wood Drive Screw</strong></td>
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<td>043####EG</td>
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<tr>
<td><strong>80 Tie Bolt</strong></td>
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<td>080#####PL</td>
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### = Multiple sizes available, ** = Finish - ie EG
0503710EG = 3/8 rod size, 10' length, Electrogalvanized
150M0400PL = 4” pipe size
HangerMate® Horizontal Mount Screw for Steel
HMZH###

HangerMate® Horizontal Mount Screw for Steel with Lock Nut
HMZH476

HangerMate® Vertical Mount Screw for Wood
HMZG###

HangerMate® Horizontal Mount Screw for Wood
HMZH665

HangerMate® Vertical Mount Screw for Concrete
HMZG###

HangerMate® SDS Drill Bit for Hammer Drills
HMZE###

HangerMate® Drill Bit Adaptor
HMZE240

HangerMate® Tanged Drill Bit for Hammer Drills
HMZE340

HangerMate® Hex Drive Socket
HMZE215

HangerMate® Drive Sleeve
HMZE220

MTVB Gravity Toggle with Rubber Washer
MTVB####

### = Multiple sizes available
CA0025EG = 1/4” rod size
CSBCAB060062EG = 6” length, 5/8” screw dia.

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The entire CADDY® catalog is now available at your fingertips!
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