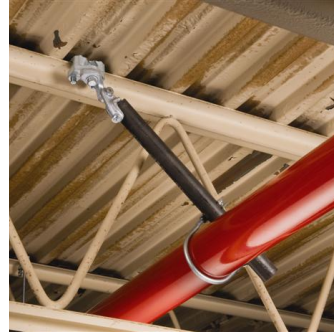
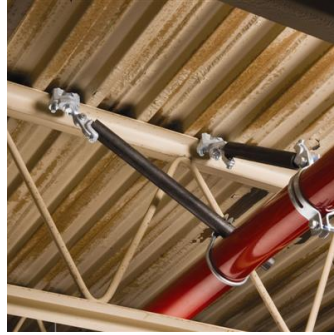
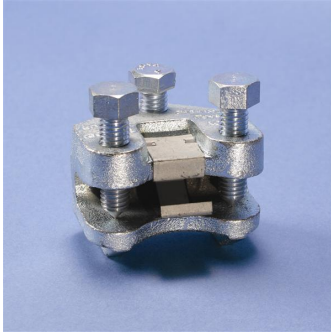
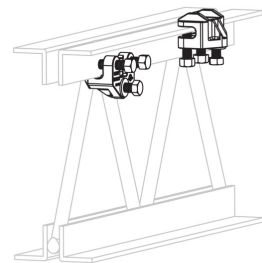
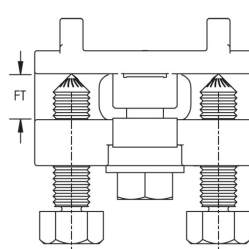
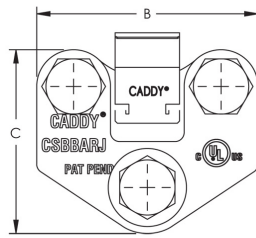
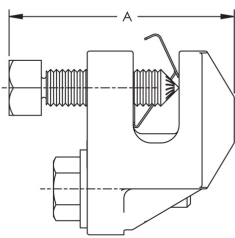


Bar Joist Attachment



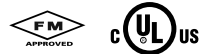
Features

- Can be installed on bar joists or I-beams
- Thumb spring retainer allows for ease of positioning
- Snap-off bolt head helps enable easy installation and inspection of seismic sway braces
- No assembly required
- No loose parts
- Meets NFPA®-13 requirements for seismic sway bracing



Specifications

Material: Steel

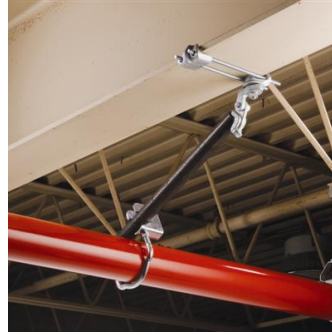


| Part Number | Flange Thickness FT | A | B | C |
|-----------------------------------|---------------------|---------|---------|---------|
| Finish: Electro-galvanized | | | | |
| CSBBARJEG | 6.4 – 12.7 mm | 50.8 mm | 76.2 mm | 63.5 mm |
| Finish: Hot-dip galvanized | | | | |
| CSBBARJHD | 6.4 – 12.7 mm | 50.8 mm | 76.2 mm | 63.5 mm |

| UL Loads | | |
|------------------------------|-------------------|---------|
| Brace Direction to Structure | Service Pipe Size | Rating |
| Parallel | 25 - 250 mm | 13340 N |
| Perpendicular | 25 - 300 mm | 16630 N |

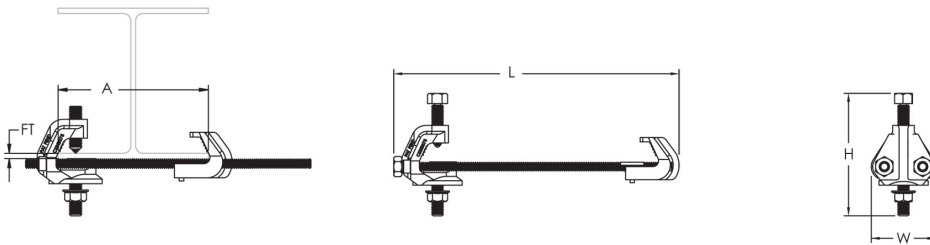
| FM Loads | | | | | |
|-----------------|-------------------|---|-----------|-----------|-----------|
| Brace Direction | Service Pipe Size | Horizontal Capacity per Intallation Angle from Vertical | | | |
| | | 30° - 44° | 45° - 59° | 60° - 74° | 75° - 90° |
| Parallel | N/A | 6270 N | 9385 N | 11300 N | 12590 N |
| Perpendicular | N/A | 7740 N | 7605 N | 9165 N | 10230 N |

Adjustable I-Beam Attachment



Features

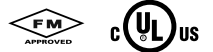
- No loose parts
- No assembly required
- Snap-off bolt head helps enable easy installation and inspection of seismic sway braces
- Meets NFPA®-13 requirements for seismic sway bracing



Specifications

Material: Steel

Finish: Electro-galvanized



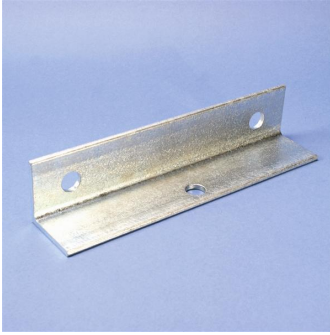
| Part Number | Flange Thickness FT | A | Height H | Length L | Width W |
|---------------|---------------------|--------------|----------|----------|---------|
| CSBIB075085EG | 6.4 – 19.1 mm | 100 – 216 mm | 63.5 mm | 304.8 mm | 69.9 mm |
| CSBIB075145EG | 6.4 – 19.1 mm | 216 – 368 mm | 63.5 mm | 431.8 mm | 69.9 mm |
| CSBIB125180EG | 19.1 – 31.8 mm | 100 – 457 mm | 88.9 mm | 546.1 mm | 79.4 mm |

| UL Loads | | |
|------------------------------|-------------------|---------|
| Brace Direction to Structure | Service Pipe Size | Rating |
| Parallel | 25 - 300 mm | 13340 N |
| Perpendicular | 25 - 300 mm | 16630 N |

FM Loads

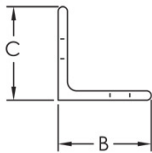
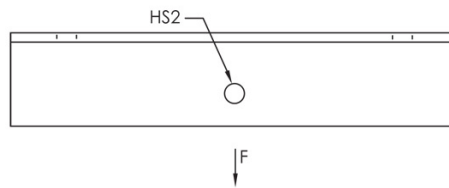
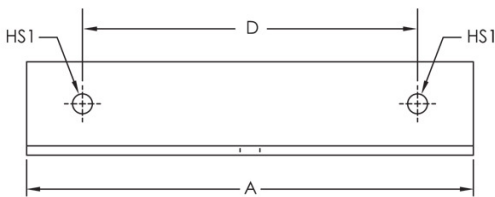
| Brace Direction | Service Pipe Size | Horizontal Capacity per Installation Angle from Vertical | | | |
|-----------------|-------------------|--|-----------|-----------|-----------|
| | | 30° - 44° | 45° - 59° | 60° - 74° | 75° - 90° |
| Parallel | N/A | 7,205 N | 7,605 N | 4,495 N | 4,940 N |
| Perpendicular | N/A | 7,205 N | 10,230 N | 12,545 N | 13,965 N |

Multi Attachment



Features

- Disperses load over two anchors
- Minimizes the number of installed braces needed for concrete and wood structures
- Ideal for deck installations
- Use for both lateral and longitudinal sway brace applications
- Meets NFPA®-13 requirements for seismic sway bracing



Specifications

Material: Steel

Finish: Electro-galvanized



| Part Number | Hole Size 1 HS1 | Hole Size 2 HS2 | A | B | C | D | UL Listed Load |
|---------------|--------------------|--------------------|----------|---------|---------|----------|----------------|
| CSBMA050050EG | 14 mm | 14 mm | 304.8 mm | 63.5 mm | 63.5 mm | 228.6 mm | 16,636 N |
| CSBMA050075EG | 20 mm | 14 mm | 304.8 mm | 63.5 mm | 63.5 mm | 228.6 mm | 16,636 N |

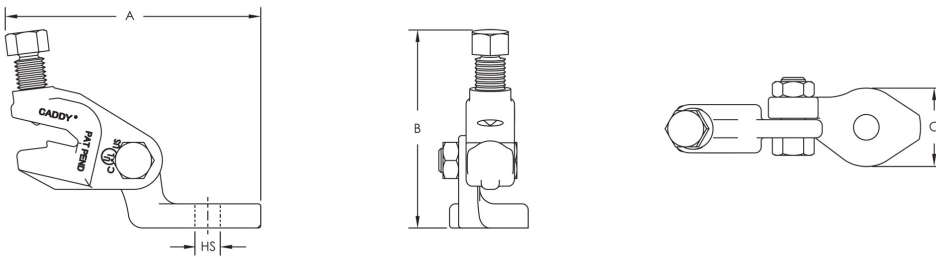
Mount to structure using holes indicated in HS1.

Universal Structural Attachment



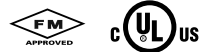
Features

- Universal design allows one product to attach directly to concrete, wood, bar joist or I-beam adapters
- Snap-off bolt head helps enable easy installation and inspection of seismic sway braces
- Use for both lateral and longitudinal sway brace applications
- Works with 1" through 2" brace pipes and 1/4" angle iron braces to reduce inventory
- Center bolt does not require tightening
- Meets NFPA®-13 requirements for seismic sway bracing



Specifications

Material: Steel
Finish: Electro-galvanized



| Part Number | Hole Size HS | A | B | C |
|--------------|--------------|----------|----------|---------|
| CSBUNIV050EG | 14 mm | 133.4 mm | 101.6 mm | 41.4 mm |
| CSBUNIV075EG | 21 mm | 133.4 mm | 101.6 mm | 41.4 mm |

| UL® Loads | | |
|-----------------|-------------------|----------|
| Brace Type | Service Pipe Size | Rating |
| Pipe | 25 mm - 300 mm | 16,630 N |
| 6mm Thick Angle | 25 mm - 200 mm | 8,960 N |

| FM® Loads | | | | | |
|------------|-------------------|--|-----------|-----------|-----------|
| Brace Type | Service Pipe Size | Horizontal Capacity per Installation Angle from Vertical | | | |
| | | 30° - 44° | 45° - 59° | 60° - 74° | 75° - 90° |
| Pipe | N/A | 7,205 N | 10,230 N | 12,545 N | 13,965 N |

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