

# Universal Sway Brace



The nVent CADDY Universal Sway Brace is an innovative, versatile solution providing seismic bracing for suspended pipes. Featuring a unique slotted hole pattern for easy slip-on installation, installers can eliminate the risk and inconvenience of loose hardware, making it an ideal choice for ensuring safety and compliance on the job.

## CARACTERISTICI

Used for both lateral and longitudinal sway brace applications

Snap-off bolt head helps enable easy installation and inspection

Works with 1" to 2" (25,4mm to 50,8mm) brace pipes to reduce inventory

Works with 12 gauge or thicker Type A solid strut as brace member

Meets NFPA®-13 and CEN/TS 1755:2021 requirements for seismic sway bracing

FM Approved with the following brace members: Type A Solid Strut (12 gauge or thicker) and 1-2 in Sch40/EN 10255H Pipe

FM Specification Tested with the following brace members: Type A Solid Strut (12 gauge or thicker) and 1-2 in Sch40/EN 10255H Pipe

## SPECIFICAȚII

**Finish:** Electrogalvanized

**Material:** Oțel

Table 1/2

| Număr de catalog | Article Number | Pipe Size, Nominal | Cast Iron | NB/DN | Brace NB/DN | Width (W) |
|------------------|----------------|--------------------|-----------|-------|-------------|-----------|
| CSB0100N         | 404101         | 25.4 mm            |           | 25    | 25 - 50 mm  | 38 mm     |
| CSB0125N         | 404103         | 31.75 mm           |           | 32    | 25 - 50 mm  | 38 mm     |
| CSB0400N         | 404113         | 101.6 mm           | 101.6mm   | 100   | 25 - 50 mm  | 38 mm     |

| Număr de catalog | Article Number | Pipe Size, Nominal | Cast Iron | NB/DN | Brace NB/DN | Width (W) |
|------------------|----------------|--------------------|-----------|-------|-------------|-----------|
| CSB0150N         | 404105         | 38.1 mm            | 38.1mm    | 40    | 25 - 50 mm  | 38 mm     |
| CSB0200N         | 404107         | 50.8 mm            | 50.8mm    | 50    | 25 - 50 mm  | 38 mm     |
| CSB0250N         | 404109         | 63.5 mm            | 63.5mm    | 65    | 25 - 50 mm  | 38 mm     |
| CSB0300N         | 404111         | 76.2 mm            | 76.2mm    | 80    | 25 - 50 mm  | 38 mm     |
| CSB0500N         | 404115         |                    |           | 125   | 25 - 50 mm  | 38 mm     |
| CSB1000N         | 404121         | 254 mm             | 254mm     | 250   | 25 - 50 mm  | 38 mm     |
| CSB1200N         | 404123         | 304.8 mm           | 304.8mm   | 300   | 25 - 50 mm  | 38 mm     |
| CSB0600N         | 404117         | 152.4 mm           |           | 150   | 25 - 50 mm  | 38 mm     |
| CSB0800N         | 404119         | 203.2 mm           | 203.2mm   | 200   | 25 - 50 mm  | 38 mm     |

Table 2/2

| Număr de catalog | Article Number | A     | B     | C     | D      |
|------------------|----------------|-------|-------|-------|--------|
| CSB0100N         | 404101         | 91 mm | 33 mm | 16 mm | 126 mm |
| CSB0125N         | 404103         | 91 mm | 33 mm | 18 mm | 140 mm |
| CSB0400N         | 404113         | 91 mm | 33 mm | 26 mm | 216 mm |
| CSB0150N         | 404105         | 91 mm | 33 mm | 19 mm | 136 mm |
| CSB0200N         | 404107         | 91 mm | 33 mm | 21 mm | 151 mm |
| CSB0250N         | 404109         | 91 mm | 33 mm | 24 mm | 171 mm |
| CSB0300N         | 404111         | 91 mm | 33 mm | 25 mm | 187 mm |
| CSB0500N         | 404115         | 91 mm | 33 mm | 25 mm | 255 mm |

| Număr de catalog | Article Number | A     | B     | C     | D      |
|------------------|----------------|-------|-------|-------|--------|
| CSB1000N         | 404121         | 91 mm | 33 mm | 25 mm | 386 mm |
| CSB1200N         | 404123         | 91 mm | 33 mm | 25 mm | 429 mm |
| CSB0600N         | 404117         | 91 mm | 33 mm | 29 mm | 275 mm |
| CSB0800N         | 404119         | 91 mm | 33 mm | 31 mm | 331 mm |

## DETALII SUPLIMENTARE DESPRE PRODUS

FM® Specification Tested for 1-1/2 in to 4 in pipe sizes using no hub cast iron pipe.

Load ratings for Sch 10 may also be applied to AS 1074 Medium, GB/T 3091, EN 10255 (Medium or Heavy), and JIS G3452 pipe.

Load ratings for Sch 40 may also be applied to AS 1074 Heavy, GB/T 3091, EN 10255 (Heavy), and JIS G3454 pipe.

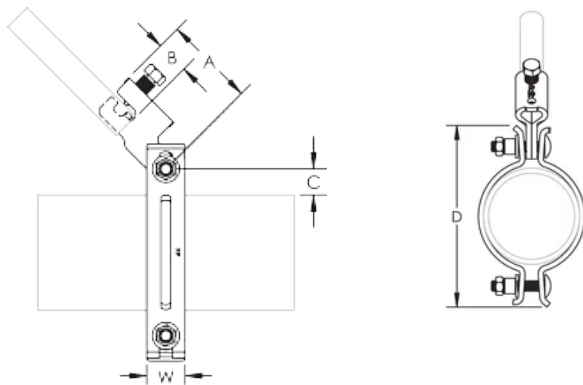
Load ratings for FM approved lightwall may also be applied to AS 1074 Lightwall, EN 10255 L, EN 10220, and GB/T 8163 pipe.

FM Approved with 12 gauge or thicker Type A solid strut as brace member

| UL Loads    |                            |                                   |                                  |                                  |                            |                                   |                                  |                                  |
|-------------|----------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------|-----------------------------------|----------------------------------|----------------------------------|
| Part Number | Lateral                    |                                   |                                  |                                  | Longitudinal               |                                   |                                  |                                  |
|             | Sch 10/Sch 40 Service Pipe | Bull Moose Eddy Flow Service Pipe | Wheatland Mega-Flow Service Pipe | Youngstown Fire-Flo Service Pipe | Sch 10/Sch 40 Service Pipe | Bull Moose Eddy Flow Service Pipe | Wheatland Mega-Flow Service Pipe | Youngstown Fire-Flo Service Pipe |
| CSB0100xxx  | 8006 N                     | N/A                               | N/A                              | N/A                              | 4448 N                     | N/A                               | N/A                              | N/A                              |
| CSB0125xxx  | 8006 N                     | 8006 N                            | 8006 N                           | N/A                              | 3025 N                     | 3025 N                            | 3025 N                           | N/A                              |
| CSB0150xxx  | 8006 N                     | 8006 N                            | 8006 N                           | 8006 N                           | 4448 N                     | 4448 N                            | 4448 N                           | 4448 N                           |
| CSB0200xxx  | 8006 N                     | 8006 N                            | 8006 N                           | 8006 N                           | 5782 N                     | 5782 N                            | 5782 N                           | 5782 N                           |
| CSB0250xxx  | 8006 N                     | 8006 N                            | 8006 N                           | 8006 N                           | 5782 N                     | 5782 N                            | 5782 N                           | 5782 N                           |
| CSB0300xxx  | 8006 N                     | 8006 N                            | 8006 N                           | 8006 N                           | 6227 N                     | 6227 N                            | 6227 N                           | 6227 N                           |
| CSB0400xxx  | 8006 N                     | 8006 N                            | 8006 N                           | 8006 N                           | 7561 N                     | 7561 N                            | 7561 N                           | 7561 N                           |
| CSB0500xxx  | 8006 N                     | N/A                               | N/A                              | N/A                              | 7561 N                     | N/A                               | N/A                              | N/A                              |
| CSB0600xxx  | 8006 N                     | N/A                               | 8006 N                           | N/A                              | 7561 N                     | N/A                               | 7561 N                           | N/A                              |
| CSB0800xxx  | 8006 N                     | N/A                               | N/A                              | N/A                              | 7561 N                     | N/A                               | N/A                              | N/A                              |
| CSB1000xxx  | 8451 N                     | N/A                               | N/A                              | N/A                              | 8451 N                     | N/A                               | N/A                              | N/A                              |
| CSB1200xxx  | N/A                        | N/A                               | N/A                              | N/A                              | N/A                        | N/A                               | N/A                              | N/A                              |

| FM Loads                                               |                                                          |           |           |           |              |           |           |           |
|--------------------------------------------------------|----------------------------------------------------------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|
| Part Number                                            | Horizontal Capacity per Installation Angle from Vertical |           |           |           |              |           |           |           |
|                                                        | Lateral                                                  |           |           |           | Longitudinal |           |           |           |
|                                                        | 30° - 44°                                                | 45° - 59° | 60° - 74° | 75° - 90° | 30° - 44°    | 45° - 59° | 60° - 74° | 75° - 90° |
| FM Approved Lightwall, Sch 10 and Sch 40 Service Pipes |                                                          |           |           |           |              |           |           |           |
| CSB0100xxx                                             | 6620 N                                                   | 9380 N    | 11470 N   | 12890 N   | 5730 N       | 5510 N    | 5600 N    | 6220 N    |
| CSB0125xxx                                             | 6130 N                                                   | 8710 N    | 10670 N   | 11960 N   | 5730 N       | 5510 N    | 5600 N    | 6220 N    |
| CSB0150xxx                                             | 6130 N                                                   | 8710 N    | 10670 N   | 11960 N   | 5330 N       | 8270 N    | 9690 N    | 10000 N   |
| CSB0200xxx                                             | 6130 N                                                   | 8710 N    | 10670 N   | 11960 N   | 5330 N       | 8090 N    | 9690 N    | 10000 N   |
| CSB0250xxx                                             | 6400 N                                                   | 9020 N    | 11070 N   | 12410 N   | 5870 N       | 8090 N    | 9740 N    | 11120 N   |
| CSB0300xxx                                             | 6180 N                                                   | 8760 N    | 10760 N   | 12050 N   | 5780 N       | 7960 N    | 9740 N    | 11120 N   |
| CSB0400xxx                                             | 6180 N                                                   | 8760 N    | 10760 N   | 12050 N   | 5780 N       | 7960 N    | 9740 N    | 11120 N   |
| CSB0500xxx                                             | 6180 N                                                   | 8760 N    | 10760 N   | 12050 N   | 5780 N       | 7960 N    | 9740 N    | 11120 N   |
| CSB0600xxx                                             | 6490 N                                                   | 9160 N    | 11200 N   | 12580 N   | 6270 N       | 8670 N    | 10450 N   | 11920 N   |
| 0.188" Wall and Sch 40 Service Pipes                   |                                                          |           |           |           |              |           |           |           |
| CSB0800xxx                                             | 5910 N                                                   | 8360 N    | 10230 N   | 11470 N   | 6220 N       | 8540 N    | 10450 N   | 11740 N   |
| CSB1000xxx                                             | 5910 N                                                   | 8360 N    | 10230 N   | 11470 N   | 6220 N       | 8540 N    | 10450 N   | 11740 N   |
| CSB1200xxx                                             | 7470 N                                                   | 10540 N   | 12940 N   | 14500 N   | 7110 N       | 8270 N    | 9960 N    | 11520 N   |

## DIAGRAMS



## AVERTIZARE

Produsele nVent trebuie instalate și utilizate numai așa cum este indicat în fișele de instrucțiuni și materialele de formare ale nVent. Fișele de instrucțiuni sunt disponibile pe [www.nvent.com](http://www.nvent.com) și de la reprezentantul dvs. de servicii clienți nVent. O instalare incorectă, o utilizare abuzivă, o aplicare greșită sau orice altă lipsă de respectare completă a instrucțiunilor și avertismentelor nVent poate duce la defectarea produsului, la deteriorarea proprietății, la răniri corporale grave și moarte și/sau poate anula garanția dvs.

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