Universal Sway Brace

Data Solutions

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.

CERTIFICATIONS

FEATURES

- 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

SPECIFICATIONS

Material: Steel

Table 1/2

Catalog Number	Article Number	Finish	Pipe Size, Nominal	Cast Iron	NB/DN	Brace NB/DN
CSB0100N		Electrogalvanized	25.4mm		25	25 – 50mm
CSB0100HDN		Hot-Dip Galvanized			25	25 – 50mm
CSB0125N		Electrogalvanized	31.75mm		32	25 – 50mm
CSB0400HDN		Hot-Dip Galvanized			100	25 – 50mm
CSB0400N		Electrogalvanized	101.6mm	101.6mm	100	25 – 50mm
CSB0125HDN		Hot-Dip Galvanized			32	25 – 50mm
CSB0150HDN		Hot-Dip Galvanized			40	25 – 50mm
CSB0150N		Electrogalvanized	38.1mm	38.1mm	40	25 – 50mm
CSB0200HDN		Hot-Dip Galvanized			50	25 – 50mm
CSB0200N		Electrogalvanized	50.8mm	50.8mm	50	25 – 50mm
CSB0250N		Electrogalvanized	63.5mm	63.5mm	65	25 – 50mm
CSB0250HDN		Hot-Dip Galvanized			65	25 – 50mm
CSB0300HDN		Hot-Dip Galvanized			80	25 – 50mm
CSB1000N		Electrogalvanized	254mm	254mm	250	25 – 50mm
CSB0300N		Electrogalvanized	76.2mm	76.2mm	80	25 – 50mm
CSB1200	404551	Electrogalvanized	304.8mm	304.8mm	300	25 – 50mm
CSB0500N		Electrogalvanized			125	25 – 50mm
CSB1000HDN		Hot-Dip Galvanized			250	25 – 50mm
CSB1200N		Electrogalvanized	304.8mm	304.8mm	300	25 – 50mm

Catalog Number	Article Number	Finish	Pipe Size, Nominal	Cast Iron	NB/DN	Brace NB/DN
CSB1200HDN		Hot-Dip Galvanized	304.8mm	304.8mm	300	25 – 50mm

Table 2/2

Catalog Number	Article Number	Finish	Pipe Size, Nominal	Cast Iron	NB/DN	Brace NB/DN
CSB0500HDN		Hot-Dip Galvanized			125	25 – 50mm
CSB0800HDN		Hot-Dip Galvanized			200	25 – 50mm
CSB0800N		Electrogalvanized	203.2mm	203.2mm	200	25 – 50mm
CSB0600HDN		Hot-Dip Galvanized			150	25 – 50mm
CSB0600N		Electrogalvanized	152.4mm		150	25 – 50mm

Table 1/2

Catalog Number	Article Number	Width (W)	A	B	C	D
CSB0100N		38mm	91mm	33mm	16mm	126mm
CSB0100HDN		38mm	91mm	33mm	16mm	126mm
CSB0125N		38mm	91mm	33mm	18mm	140mm
CSB0400HDN		38mm	91mm	33mm	26mm	216mm
CSB0400N		38mm	91mm	33mm	26mm	216mm
CSB0125HDN		38mm	91mm	33mm	18mm	140mm
CSB0150HDN		38mm	91mm	33mm	19mm	136mm
CSB0150N		38mm	91mm	33mm	19mm	136mm
CSB0200HDN		38mm	91mm	33mm	21mm	151mm
CSB0200N		38mm	91mm	33mm	21mm	151mm
CSB0250N		38mm	91mm	33mm	24mm	171mm
CSB0250HDN		38mm	91mm	33mm	24mm	171mm
CSB0300HDN		38mm	91mm	33mm	25mm	187mm
CSB1000N		38mm	91mm	33mm	25mm	386mm
CSB0300N		38mm	91mm	33mm	25mm	187mm
CSB1200	404551	38mm	91mm	33mm	25mm	429mm
CSB0500N		38mm	91mm	33mm	25mm	255mm

Catalog Number	Article Number	Width (W)	A	B	C	D
CSB1000HDN		38mm	91mm	33mm	25mm	386mm
CSB1200N		38mm	91mm	33mm	25mm	429mm
CSB1200HDN		38mm	91mm	33mm	25mm	429mm

Table 2/2

Catalog Number	Article Number	Width (W)	A	B	C	D
CSB0500HDN		38mm	91mm	33mm	25mm	255mm
CSB0800HDN		38mm	91mm	33mm	31mm	331mm
CSB0800N		38mm	91mm	33mm	31mm	331mm
CSB0600HDN		38mm	91mm	33mm	29mm	275mm
CSB0600N		38mm	91mm	33mm	29mm	275mm

Table 1/2

Catalog Number	Article Number	Certifications
CSB0100N		FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0100HDN		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0125N		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0400HDN		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0400N		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0125HDN		FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0150HDN		FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0150N		FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0200HDN		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0200N		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic

Catalog Number	Article Number	Certifications
CSB0250N		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0250HDN		FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0300HDN		FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB1000N		FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0300N		FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB1200	404551	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic, OSHPD/HCAI
CSB0500N		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB1000HDN		FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB1200N		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB1200HDN		FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components

Table 2/2

Catalog Number	Article Number	Certifications
CSB0500HDN		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0800HDN		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0800N		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0600HDN		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0600N		AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic

ADDITIONAL PRODUCT DETAILS

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.

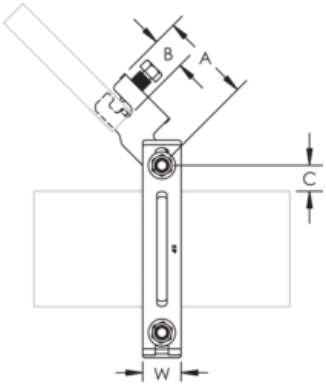
Load ratings for FM approved lightwall may also be applied to AS 1074 Lightwall, EN 10255 L, EN 10220, and GB/T 8163 pipe.

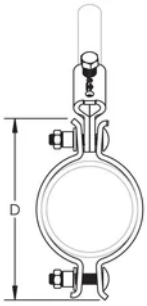
FM Approved with 12 gauge or thicker Type A solid strut as brace member

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





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.nvent.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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