

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.



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

Material: Steel



SPECIFICATIONS

Table 1/2

Catalog Number	Article Number	Finish	Pipe Size, Nominal	Cast Iron	NB/DN	Brace NB/DN
CSB1200	404551	Electrogalvanized	304.8 mm	304.8mm	300	25 - 50 mm

Catalog Number	Article Number	Finish	Pipe Size, Nominal	Cast Iron	NB/DN	Brace NB/DN
CSB0100HDN		Hot-Dip Galvanized			25	25 - 50 mm
CSB0100N		Electrogalvanized	25.4 mm		25	25 - 50 mm
CSB0125HDN		Hot-Dip Galvanized			32	25 - 50 mm
CSB0125N		Electrogalvanized	31.75 mm		32	25 - 50 mm
CSB0150HDN		Hot-Dip Galvanized			40	25 - 50 mm
CSB0150N		Electrogalvanized	38.1 mm	38.1mm	40	25 - 50 mm
CSB0200HDN		Hot-Dip Galvanized			50	25 - 50 mm
CSB0200N		Electrogalvanized	50.8 mm	50.8mm	50	25 - 50 mm
CSB0250HDN		Hot-Dip Galvanized			65	25 - 50 mm
CSB0250N		Electrogalvanized	63.5 mm	63.5mm	65	25 - 50 mm
CSB0300HDN		Hot-Dip Galvanized			80	25 - 50 mm
CSB0300N		Electrogalvanized	76.2 mm	76.2mm	80	25 - 50 mm
CSB0400HDN		Hot-Dip Galvanized			100	25 - 50 mm
CSB0400N		Electrogalvanized	101.6 mm	101.6mm	100	25 - 50 mm
CSB0500HDN		Hot-Dip Galvanized			125	25 - 50 mm
CSB0500N		Electrogalvanized			125	25 - 50 mm
CSB0600HDN		Hot-Dip Galvanized			150	25 - 50 mm
CSB0600N		Electrogalvanized	152.4 mm		150	25 - 50 mm
CSB0800HDN		Hot-Dip Galvanized			200	25 - 50 mm

Table 2/2

Catalog Number	Article Number	Finish	Pipe Size, Nominal	Cast Iron	NB/DN	Brace NB/DN
CSB0800N		Electrogalvanized	203.2 mm	203.2mm	200	25 - 50 mm
CSB1000HDN		Hot-Dip Galvanized			250	25 - 50 mm
CSB1000N		Electrogalvanized	254 mm	254mm	250	25 - 50 mm
CSB1200HDN		Hot-Dip Galvanized	304.8 mm	304.8mm	300	25 - 50 mm
CSB1200N		Electrogalvanized	304.8 mm	304.8mm	300	25 - 50 mm

Table 1/2

Catalog Number	Article Number	Width (W)	A	B	C	D	Certifications
CSB1200	404551	38 mm	91 mm	33 mm	25 mm	429 mm	OSHPD/HCAI, FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0100HDN		38 mm	91 mm	33 mm	16 mm	126 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0100N		38 mm	91 mm	33 mm	16 mm	126 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic

Catalog Number	Article Number	Width (W)	A	B	C	D	Certifications
CSB0125HDN		38 mm	91 mm	33 mm	18 mm	140 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0125N		38 mm	91 mm	33 mm	18 mm	140 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0150HDN		38 mm	91 mm	33 mm	19 mm	136 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0150N		38 mm	91 mm	33 mm	19 mm	136 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0200HDN		38 mm	91 mm	33 mm	21 mm	151 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0200N		38 mm	91 mm	33 mm	21 mm	151 mm	FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0250HDN		38 mm	91 mm	33 mm	24 mm	171 mm	FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0250N		38 mm	91 mm	33 mm	24 mm	171 mm	FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0300HDN		38 mm	91 mm	33 mm	25 mm	187 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0300N		38 mm	91 mm	33 mm	25 mm	187 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0400HDN		38 mm	91 mm	33 mm	26 mm	216 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0400N		38 mm	91 mm	33 mm	26 mm	216 mm	FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0500HDN		38 mm	91 mm	33 mm	25 mm	255 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0500N		38 mm	91 mm	33 mm	25 mm	255 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB0600HDN		38 mm	91 mm	33 mm	29 mm	275 mm	FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0600N		38 mm	91 mm	33 mm	29 mm	275 mm	FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB0800HDN		38 mm	91 mm	33 mm	31 mm	331 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic

Table 2/2

Catalog Number	Article Number	Width (W)	A	B	C	D	Certifications
CSB0800N		38 mm	91 mm	33 mm	31 mm	331 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic
CSB1000HDN		38 mm	91 mm	33 mm	25 mm	386 mm	AON Fire Protection, Seismic Bracing Components, FM Approved, Seismic

Catalog Number	Article Number	Width (W)	A	B	C	D	Certifications
CSB1000N		38 mm	91 mm	33 mm	25 mm	386 mm	FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB1200HDN		38 mm	91 mm	33 mm	25 mm	429 mm	FM Approved, Seismic, AON Fire Protection, Seismic Bracing Components
CSB1200N		38 mm	91 mm	33 mm	25 mm	429 mm	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.

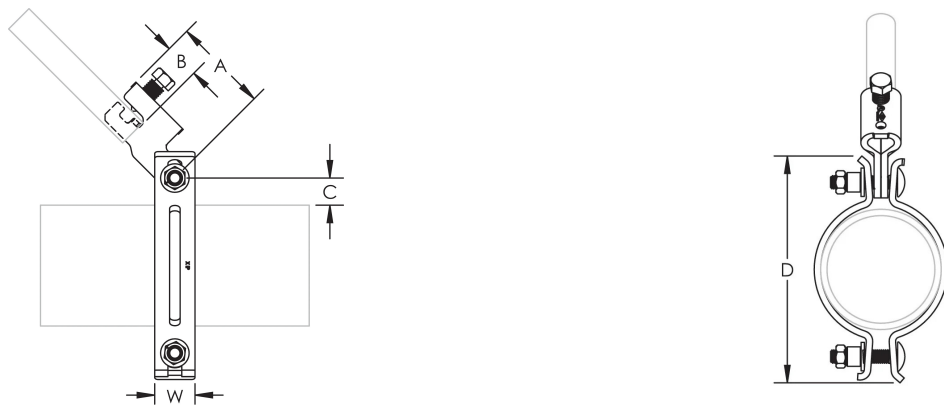
Load ratings for FM approved lightwall may also be applied to AS 1074 Lightwall, EN 10255 L, EN 10220, and GB/T 8163 pipe.

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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