

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.

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

Finish: Electrogalvanized
Material: Steel

Table 1/3

Catalog Number	Article Number	Pipe Size, Nominal (Ø)	Pipe Size, Nominal	Cast Iron	NB/DN	Brace Pipe Size
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CSB0100	404516	1in	25.4mm		25	1 – 2in
CSB0125	404517	1.25in	31.75mm		32	1 – 2in
CSB0400	404522	4in	101.6mm	101.6mm	100	1 – 2in
CSB0150	404518	1.5in	38.1mm	38.1mm	40	1 – 2in
CSB0200	404519	2in	50.8mm	50.8mm	50	1 – 2in
CSB0250	404520	2.5in	63.5mm	63.5mm	65	1 – 2in
CSB0300	404521	3in	76.2mm	76.2mm	80	1 – 2in
CSB0500	404523	5in			125	1 – 2in
CSB1000	404526	10in	254mm	254mm	250	1 – 2in
CSB1200	404551	12in	304.8mm	304.8mm	300	1 – 2in
CSB0600	404524	6in	152.4mm		150	1 – 2in
CSB0800	404525	8in	203.2mm	203.2mm	200	1 – 2in

Table 2/3						
Catalog Number	Article Number	Brace NB/DN	Width (W)	A	C	B
CSB0100	404516	25 – 50mm	38mm	91mm	16mm	33mm
CSB0125	404517	25 – 50mm	38mm	91mm	18mm	33mm
CSB0400	404522	25 – 50mm	38mm	91mm	26mm	33mm
CSB0150	404518	25 – 50mm	38mm	91mm	19mm	33mm
CSB0200	404519	25 – 50mm	38mm	91mm	21mm	33mm
CSB0250	404520	25 – 50mm	38mm	91mm	24mm	33mm
CSB0300	404521	25 – 50mm	38mm	91mm	25mm	33mm
CSB0500	404523	25 – 50mm	38mm	91mm	25mm	33mm
CSB1000	404526	25 – 50mm	38mm	91mm	25mm	33mm
CSB1200	404551	25 – 50mm	38mm	91mm	25mm	33mm
CSB0600	404524	25 – 50mm	38mm	91mm	29mm	33mm
CSB0800	404525	25 – 50mm	38mm	91mm	31mm	33mm

Table 3/3			
Catalog Number	Article Number	D	Certifications
CSB0100	404516	126mm	cUL, UL, OSHPD/HCAI, FM Approved, Seismic
CSB0125	404517	140mm	cUL, UL, OSHPD/HCAI, FM Approved, Seismic
CSB0400	404522	216mm	cUL, UL, OSHPD/HCAI, FM Approved, Seismic
CSB0150	404518	136mm	cUL, UL, OSHPD/HCAI, FM Approved, Seismic

Catalog Number	Article Number	D	Certifications
CSB0200	404519	151mm	cUL, UL, OSHPD/HCAI, FM Approved, Seismic
CSB0250	404520	171mm	cUL, UL, OSHPD/HCAI, FM Approved, Seismic
CSB0300	404521	187mm	cUL, UL, OSHPD/HCAI, FM Approved, Seismic
CSB0500	404523	255mm	cUL, UL, OSHPD/HCAI, FM Approved, Seismic
CSB1000	404526	386mm	cUL, UL, OSHPD/HCAI, FM Approved, Seismic
CSB1200	404551	429mm	OSHPD/HCAI, FM Approved, Seismic
CSB0600	404524	275mm	cUL, UL, OSHPD/HCAI, FM Approved, Seismic
CSB0800	404525	331mm	cUL, UL, OSHPD/HCAI, 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.

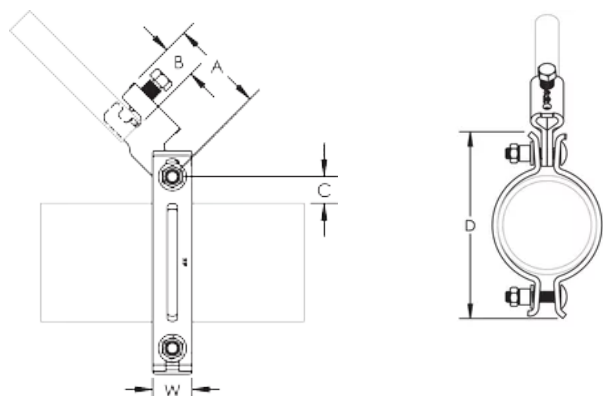
Load ratings for FM approved lightwall may also be applied to AS 1074 Lightwall, EN 10255 L, EN 10220, and GB/T 8163 pipe.

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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