

Certificate of Compliance

This certificate is issued for the following:

Seismic Sway Braces for Pipe, Tubing and Conduit

Models: CSBN, CSBUN, CSBSN

Prepared for:

ERICO International Corporation
34600 Solon Rd
Solon, Ohio 44139
United States of America

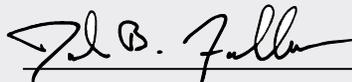
Approval Standard: FM 1950 (September 2013)

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To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.



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Models CSB, CSBBRP, CSBQG, CSBQIKCL, CSBSTU, CSBEZU, CSBBARJ, CSBBRS1, CSBBRS2...

In all cases, the allowable capacities shown within this section have been determined by resolving the load rating (i.e. the load resulting in failure or exceedance of the deformation limits) to the horizontal direction and dividing by a safety factor of 1.5 to allow the values to be used directly for Allowable Stress Design (ASD).

Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
CSB	Pipe Clamp	Lateral	1	LW, 10, 40	1490	(6620)	2110	(9380)	2580	(11470)	2900	(12890)	a, c, d, e, o
CSB	Pipe Clamp	Lateral	1	LW, 10, 40	1040	(4620)	1470	(6530)	1800	(8000)	2010	(8940)	c, d, e, m, o
CSB	Pipe Clamp	Lateral	1-1/4	LW, 10, 40	1380	(6130)	1960	(8710)	2400	(10670)	2690	(11960)	a, c, d, e, o
CSB	Pipe Clamp	Lateral	1-1/4	LW, 10, 40	1040	(4620)	1470	(6530)	1800	(8000)	2010	(8940)	c, d, e, m, o
CSB	Pipe Clamp	Lateral	1-1/2	LW, 10, 40	1380	(6130)	1960	(8710)	2400	(10670)	2690	(11960)	a, c, d, e, o
CSB	Pipe Clamp	Lateral	1-1/2	LW, 10, 40	1580	(7020)	2240	(9960)	2740	(12180)	3070	(13650)	c, d, e, m, o
CSB	Pipe Clamp	Lateral	2	LW, 10, 40	1380	(6130)	1960	(8710)	2400	(10670)	2690	(11960)	a, c, d, e, o
CSB	Pipe Clamp	Lateral	2	LW, 10, 40	1580	(7020)	2240	(9960)	2740	(12180)	3070	(13650)	c, d, e, m, o
CSB	Pipe Clamp	Lateral	2-1/2	LW, 10, 40	1440	(6400)	2030	(9020)	2490	(11070)	2790	(12410)	a, c, d, e, o
CSB	Pipe Clamp	Lateral	2-1/2	LW, 10, 40	1620	(7200)	2300	(10230)	2820	(12540)	3160	(14050)	c, d, e, m, o
CSB	Pipe Clamp	Lateral	3	LW, 10, 40	1390	(6180)	1970	(8760)	2420	(10760)	2710	(12050)	a, c, d, e, o



Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
					CSB	Pipe Clamp	Lateral	3	LW, 10, 40	1520	(6760)	2160	
CSB	Pipe Clamp	Lateral	4	LW, 10, 40	1390	(6180)	1970	(8760)	2420	(10760)	2710	(12050)	a, c, d, e, o
CSB	Pipe Clamp	Lateral	4	LW, 10, 40	1520	(6760)	2160	(9600)	2640	(11740)	2960	(13160)	c, d, e, m, o
CSB	Pipe Clamp	Lateral	5	LW, 10, 40	1390	(6180)	1970	(8760)	2420	(10760)	2710	(12050)	a, c, d, e, o
CSB	Pipe Clamp	Lateral	5	LW, 10, 40	1520	(6760)	2160	(9600)	2640	(11740)	2960	(13160)	c, d, e, m, o
CSB	Pipe Clamp	Lateral	6	LW, 10, 40	1460	(6490)	2060	(9160)	2520	(11200)	2830	(12580)	a, c, d, e, o
CSB	Pipe Clamp	Lateral	6	LW, 10, 40	1570	(6980)	2220	(9870)	2720	(12090)	3050	(13560)	c, d, e, m, o
CSB	Pipe Clamp	Lateral	8	0.188, 40	1330	(5910)	1880	(8360)	2300	(10230)	2580	(11470)	a, c, d, f, o
CSB	Pipe Clamp	Lateral	8	0.188, 40	1410	(6270)	2000	(8890)	2450	(10890)	2740	(12180)	c, d, f, m, o
CSB	Pipe Clamp	Lateral	10	0.188, 40	1330	(5910)	1880	(8360)	2300	(10230)	2580	(11470)	a, c, d, f, o
CSB	Pipe Clamp	Lateral	10	0.188, 40	1410	(6270)	2000	(8890)	2450	(10890)	2740	(12180)	c, d, f, m, o
CSB	Pipe Clamp	Lateral	12	0.188, 40	1680	(7470)	2370	(10540)	2910	(12940)	3260	(14500)	a, c, d, f, o
CSB	Pipe Clamp	Lateral	12	0.188, 40	1460	(6490)	2070	(9200)	2530	(11250)	2840	(12630)	c, d, f, m, o
CSB	Pipe Clamp	Longitudinal	1	LW, 10, 40	1290	(5730)	1240	(5510)	1260	(5600)	1400	(6220)	a, c, d, e, o
CSB	Pipe Clamp	Longitudinal	1	LW, 10, 40	660	(2930)	580	(2570)	640	(2840)	NR	NR	c, d, e, m, o
CSB	Pipe Clamp	Longitudinal	1-1/4	LW, 10, 40	1290	(5730)	1240	(5510)	1260	(5600)	1400	(6220)	a, c, d, e, o



Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
					CSB	Pipe Clamp	Longitudinal	1-1/4	LW, 10, 40	660	(2930)	580	
CSB	Pipe Clamp	Longitudinal	1-1/2	LW, 10, 40	1200	(5330)	1860	(8270)	2180	(9690)	2250	(10000)	a, c, d, e, o
CSB	Pipe Clamp	Longitudinal	1-1/2	LW, 10, 40	1320	5870	1340	5960	1620	7200	NR	NR	c, d, e, m, o
CSB	Pipe Clamp	Longitudinal	2	LW, 10, 40	1200	(5330)	1820	(8090)	2180	(9690)	2250	(10000)	a, c, d, e, o
CSB	Pipe Clamp	Longitudinal	2	LW, 10, 40	890	3950	1220	5420	1830	8140	NR	NR	c, d, e, m, o
CSB	Pipe Clamp	Longitudinal	2-1/2	LW, 10, 40	1320	(5870)	1820	(8090)	2190	(9740)	2500	(11120)	a, c, d, e, o
CSB	Pipe Clamp	Longitudinal	2-1/2	LW, 10, 40	890	3950	1220	5420	1830	8140	NR	NR	c, d, e, m, o
CSB	Pipe Clamp	Longitudinal	3	LW, 10, 40	1300	(5780)	1790	(7960)	2190	(9740)	2500	(11120)	a, c, d, e, o
CSB	Pipe Clamp	Longitudinal	3	LW, 10, 40	890	3950	1220	5420	1830	8140	NR	NR	c, d, e, m, o
CSB	Pipe Clamp	Longitudinal	4	LW, 10, 40	1300	(5780)	1790	(7960)	2190	(9740)	2500	(11120)	a, c, d, e, o
CSB	Pipe Clamp	Longitudinal	4	LW, 10, 40	1340	(5960)	1850	(8220)	2350	(10450)	NR	NR	c, d, e, m, o
CSB	Pipe Clamp	Longitudinal	5	LW, 10, 40	1300	(5780)	1790	(7960)	2190	(9740)	2500	(11120)	a, c, d, e, o
CSB	Pipe Clamp	Longitudinal	5	LW, 10, 40	1340	(5960)	1850	(8220)	2350	(10450)	NR	NR	c, d, e, m, o
CSB	Pipe Clamp	Longitudinal	6	LW, 10, 40	1410	(6270)	1950	(8670)	2350	(10450)	2680	(11920)	a, c, d, e, o
CSB	Pipe Clamp	Longitudinal	6	LW, 10, 40	1540	(6850)	1850	(8220)	2230	(9910)	NR	NR	c, d, e, m, o
CSB	Pipe Clamp	Longitudinal	8	0.188, 40	1400	(6220)	1920	(8540)	2350	(10450)	2640	(11740)	a, c, d, f, o



Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
					CSB	Pipe Clamp	Longitudinal	8	0.188, 40	1270	(5640)	1750	
CSB	Pipe Clamp	Longitudinal	10	0.188, 40	1400	(6220)	1920	(8540)	2350	(10450)	2640	(11740)	a, c, d, f, o
CSB	Pipe Clamp	Longitudinal	10	0.188, 40	1270	(5640)	1750	(7780)	2160	(9600)	NR	NR	c, d, f, m, o
CSB	Pipe Clamp	Longitudinal	12	0.188, 40	1600	(7110)	1860	(8270)	2240	(9960)	2590	(11520)	a, c, d, f, o
CSB	Pipe Clamp	Longitudinal	12	0.188, 40	1390	(6180)	1750	(7780)	2110	(9380)	NR	NR	c, d, f, m, o
CSBBRP	Pipe Clamp	Lateral	1, 1-1/4	LW, 10, 40	120	(535)	170	(755)	210	(935)	230	(1025)	c, d, e, g
CSBBRP	Pipe Clamp	Lateral	1, 1-1/4	LW, 10, 40	140	(625)	190	(845)	240	(1070)	270	(1200)	c, d, e, h
CSBBRP	Pipe Clamp	Lateral	1-1/2, 2	LW, 10, 40	140	(625)	190	(845)	240	(1070)	270	(1200)	c, d, e, g
CSBBRP	Pipe Clamp	Lateral	1-1/2, 2	LW, 10, 40	110	(490)	150	(665)	190	(845)	210	(935)	c, d, e, h
CSBQG	Pipe Clamp	Lateral	2-1/2	LW, 10, 40	1410	(6270)	2000	(8895)	2450	(10900)	2740	(12190)	b, c, d, e, l
CSBQG	Pipe Clamp	Lateral	3, 4	LW, 10, 40	1190	(5295)	1680	(7475)	2060	(9163)	2300	(10230)	b, c, d, e
CSBQG	Pipe Clamp	Lateral	5, 6	LW, 10	870	(3870)	1230	(5470)	1510	(6715)	1690	(7515)	b, d, e
CSBQG	Pipe Clamp	Lateral	5, 6	40	970	(4315)	1370	(6095)	1680	(7475)	1870	(8320)	b, c
CSBQG	Pipe Clamp	Lateral	8	0.188, 40	790	(3515)	1110	(4940)	1360	(6050)	1520	(6760)	b, c, f
CSBQIKCL	Pipe Clamp	Lateral	1, 1-1/4, 1-1/2	LW	290	(1290)	410	(1830)	495	(2200)	550	(2445)	b, e
CSBQIKCL	Pipe Clamp	Lateral	1, 1-1/4, 1-1/2	10	150	(665)	210	(935)	280	(1245)	315	(1400)	b, d



Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
					CSBQIKCL	Pipe Clamp	Lateral	1, 1-1/4, 1-1/2	40	475	(2115)	665	
CSBQIKCL	Pipe Clamp	Lateral	2, 2-1/2, 3, 3-1/2	LW	390	(1735)	550	(2445)	670	(2980)	750	(3335)	b, e
CSBQIKCL	Pipe Clamp	Lateral	2, 2-1/2, 3, 3-1/2	10	350	(1555)	500	(2225)	620	(2760)	690	(3070)	b, d
CSBQIKCL	Pipe Clamp	Lateral	2, 2-1/2, 3, 3-1/2	40	490	(2180)	690	(3070)	850	(3780)	950	(4225)	b, c
CSBQIKCL	Pipe Clamp	Lateral	4	LW	470	(2090)	660	(2935)	810	(3605)	910	(4050)	b, e
CSBQIKCL	Pipe Clamp	Lateral	4	10	510	(2270)	730	(3245)	890	(3960)	990	(4405)	b, d
CSBQIKCL	Pipe Clamp	Lateral	4	40	500	(2225)	710	(3160)	870	(3870)	970	(4315)	b, c
CSBSTU	Pipe Clamp	Lateral	1, 1-1/4, 1-1/2	LW, 10, 40	860	(3825)	1220	(5425)	1500	(6670)	1670	(7430)	a, c, d, e
CSBSTU	Pipe Clamp	Longitudinal	1, 1-1/4, 1-1/2	LW, 10, 40	970	(4315)	720	(3200)	860	(3825)	960	(4270)	a, c, d, e
CSBSTU	Pipe Clamp	Lateral	2, 2-1/2, 3	LW, 10, 40	1530	(6805)	2160	(9610)	2650	(11790)	2960	(13165)	a, c, d, e
CSBSTU	Pipe Clamp	Longitudinal	2, 2-1/2, 3	LW, 10, 40	870	(3870)	690	(3070)	830	(3690)	930	(4136)	a, c, d, e
CSBSTU	Pipe Clamp	Lateral	4, 5	LW, 10, 40	1570	(6985)	2220	(9875)	2720	(12100)	3030	(13480)	a, c, d, e
CSBSTU	Pipe Clamp	Longitudinal	4, 5	LW, 10, 40	1550	(6895)	1390	(6185)	1680	(7475)	1870	(8320)	a, c, d, e
CSBSTU	Pipe Clamp	Lateral	6	LW, 10, 40	1980	(8805)	2810	(12500)	3440	(15300)	3840	(17080)	a, c, d, e



Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
					CSBSTU	Pipe Clamp	Longitudinal	6	LW, 10, 40	1470	(6540)	1170	
CSBSTU	Pipe Clamp	Lateral	8, 10	0.188, 40	2040	(9075)	2890	(12855)	3540	(15745)	3950	(17570)	a, c, f
CSBSTU	Pipe Clamp	Longitudinal	8, 10	0.188, 40	1200	(5340)	1700	(7560)	2090	(9295)	2330	(10365)	a, c, f
CSBEZU	Pipe Clamp	Lateral	1, 1-1/4, 1-1/2	LW, 10, 40	860	(3825)	1220	(5425)	1500	(6670)	1670	(7430)	a, c, d, e
CSBEZU	Pipe Clamp	Longitudinal	1, 1-1/4, 1-1/2	LW, 10, 40	390	(1735)	550	(2445)	670	(2980)	750	(3335)	a, c, d, e
CSBEZU	Pipe Clamp	Lateral	2	LW, 10, 40	1530	(6805)	2160	(9610)	2650	(11790)	2960	(13165)	a, c, d, e
CSBEZU	Pipe Clamp	Longitudinal	2	LW, 10, 40	520	(2315)	690	(3070)	830	(3690)	930	(4136)	a, c, d, e
CSBEZU	Pipe Clamp	Lateral	2-1/2, 3	LW, 10, 40	950	(4220)	1350	(6000)	1650	(7330)	1840	(8180)	a, c, d, e
CSBEZU	Pipe Clamp	Longitudinal	2-1/2, 3	LW, 10, 40	1000	(4440)	1360	(6040)	1470	(6530)	1620	(7200)	a, c, d, e
CSBEZU	Pipe Clamp	Lateral	4, 5	LW, 10, 40	1400	(6220)	1990	(8850)	2430	(10800)	2720	(12090)	a, c, d, e
CSBEZU	Pipe Clamp	Longitudinal	4, 5	LW, 10, 40	1360	(6040)	1870	(8310)	2270	(10090)	2510	(11160)	a, c, d, e
CSBEZU	Pipe Clamp	Lateral	6	LW, 10, 40	1650	(7330)	2330	(10360)	2850	(12670)	3180	(14140)	a, c, d, e
CSBEZU	Pipe Clamp	Longitudinal	6	LW, 10, 40	1700	(7560)	2340	(10400)	2690	(11960)	2700	(12010)	a, c, d, e
CSBBARJ	Beam Clamp	Lateral	1/4-1/2	N/A	1740	(7740)	1710	(7605)	2060	(9165)	2300	(10230)	a
CSBBARJ	Beam Clamp	Longitudinal	1/4-1/2	N/A	1410	(6270)	2110	(9385)	2540	(11300)	2830	(12590)	a



Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
					CSBBRS1	Structure Attached	N/A	Steel-12 Ga. 0.1094-0.50	N/A	220	(980)	310	
CSBBRS1	Structure Attached	N/A	Steel-12 Ga. 0.1094-0.50	N/A	210	(935)	290	(1290)	200	(890)	220	(980)	h
CSBBRS2	Structure Attached	N/A	N/A	N/A	210	(935)	290	(1290)	200	(890)	210	(935)	g, h
CSBBRS3	Structure Attached	N/A	N/A	N/A	320	(1425)	310	(1380)	190	(845)	210	(935)	k
CSBBC	Beam Clamp	Lateral	0.25-0.75	N/A	1190	(5295)	1680	(7475)	1160	(5160)	1280	(5695)	a
CSBBC	Beam Clamp	Longitudinal	0.25-0.75	N/A	1620	(7205)	1710	(7605)	1010	(4495)	1110	(4940)	a
CSBIB	Beam Clamp	Lateral	0.25-1-1/4 inch Thick (6.3-31 inch wide (100-455 wide)	N/A	1620	(7205)	2300	(10230)	2820	(12545)	3140	(13965)	a
CSBIB	Beam Clamp	Longitudinal	0.25-1-1/4 inch Thick (6.3-31 inch wide (100-455 wide)	N/A	1620	(7205)	1710	(7605)	1010	(4495)	1110	(4940)	a



Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
					CSBUNIV	Structure Attached	N/A	N/A	N/A	1620	(7205)	2300	
CSBMA	Structure Attached	N/A	N/A	N/A	3290	(14630)	4520	(20100)	5540	(24640)	6200	(27570)	a
CSBS1	Structure Attached	Lateral	1/4-3/4inch	N/A	850	(3780)	1780	(7910)	2770	(12320)	2840	(12630)	a, o
CSBS1	Structure Attached	Longitudinal	1/4-3/4	N/A	880	(3910)	1430	(6360)	2020	(8980)	2410	(10720)	a, o
CSBS1A	Structure Attached	Lateral	1/4-3/4	N/A	850	(3780)	1780	(7910)	2770	(12320)	2840	(12630)	a, o
CSBS1A	Structure Attached	Longitudinal	1/4-3/4	N/A	880	(3910)	1430	(6360)	2020	(8980)	2410	(10720)	a, o
CSBS2	Structure Attached	Lateral	3/4-1-1/4	N/A	1220	(5420)	2140	(9510)	2580	(11470)	2870	(12760)	a, o
CSBS2	Structure Attached	Longitudinal	3/4-1-1/4	N/A	1100	(4890)	1820	(8090)	2190	(9740)	2680	(11920)	a, o
CSBS3	Structure Attached	Lateral	1/4-3/4 inch (6-19) Width: 4-8.5 inch (100-215)	N/A	1180	(5240)	2210	(9830)	2830	(12580)	2940	(13070)	a, o
CSBS3	Structure	Longitudinal	1/4-3/4 inch (6-	N/A	820	(3640)	1380	(6130)	2080	(9250)	3010	(13380)	a, o



Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
						Attached		19) Width: 4-8.5 inch (100-215)					
CSBS4	Structure Attached	Lateral	1/4-3/4 inch (6-19) Width: 4-14.5 inch (100-365)	N/A	1180	(5240)	2210	(9830)	2830	(12580)	2940	(13070)	a, o
CSBS4	Structure Attached	Longitudinal	1/4-3/4 inch (6-19) Width: 4-14.5 inch (100-365)	N/A	820	(3640)	1380	(6130)	2080	(9250)	3010	(13380)	a, o
CSBS5	Structure Attached	Lateral	3/4-1-1/4 inch (19-31) Width: 4-18 inch (100-455)	N/A	1220	(5420)	2140	(9510)	2580	(11470)	2870	(12760)	a, o
CSBS5	Structure Attached	Longitudinal	3/4-1-1/4 inch (19-31) Width: 4-18 inch (100-455)	N/A	1100	(4890)	1820	(8090)	2190	(9740)	2680	(11920)	a, o
CSBU1	Structure Attached	N/A	N/A	N/A	1690	(7510)	2210	(9830)	2660	(11830)	3090	(13740)	a, o
CSBU2	Structure Attached	N/A	N/A	N/A	1480	(6580)	2290	(10180)	2860	(12720)	3090	(13740)	a, o



Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
					CSBU58	Structure Attached	N/A	N/A	N/A	1480	(6580)	2210	
CSBU1	Structure Attached	N/A	N/A	N/A	1450	(6440)	1830	(8140)	1870	(8310)	2070	(9200)	m, o
CSBU2	Structure Attached	N/A	N/A	N/A	1450	(6440)	1830	(8140)	1870	(8310)	2070	(9200)	m, o
CSBU1	Structure Attached	N/A	N/A	N/A	1000	(4440)	1380	(6130)	1830	(8140)	2030	(9020)	n, o
CSBU2	Structure Attached	N/A	N/A	N/A	1000	(4440)	1380	(6130)	1830	(8140)	2030	(9020)	n, o
CSBUS1	Structure Attached	N/A	N/A	N/A	2010	(8940)	2840	(12630)	3420	(15210)	3810	(16940)	m
CSBUS2	Structure Attached	N/A	N/A	N/A	2010	(8940)	2840	(12630)	3420	(15210)	3810	(16940)	m
CSBUS1PA	Structure Attached	N/A	N/A	N/A	1160	(5170)	1860	(8290)	1860	(8290)	1680	(7470)	m
CSBUS2PA	Structure Attached	N/A	N/A	N/A	1160	(5170)	1860	(8290)	1860	(8290)	1680	(7470)	m

Remarks:

a. FM Approved when used with 1", 1-1/4", 1-1/2", or 2" (DN25, DN32, DN40, DN50) NPS Schedule 40, GB/T 3091, EN 10255 (Heavy), AS 1074 Heavy or JIS G3454 brace pipe.

b. FM Approved when used with 1" and 1-1/4" (DN 25 and DN32) NPS Schedule 40, AS 1074 Heavy, GB/T 3091, EN 10255



(Heavy), or JIS G3454 brace pipe.

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

d. Load ratings for Schd 10 above may also be applied to AS 1074 Medium, GB/T 3091, EN 10255 (Medium or Heavy), JIS G3452, FM Approved Thinwall, and Schd 40 pipes unless otherwise indicated.

e. Load ratings for LW above refers to FM Approved Lightwall Pipe, commonly referred to as "Schedule 7". These ratings may also be applied to AS 1074 Lightwall, EN 10255 L, EN 10220, and GB/T 8163 pipe unless otherwise specified.

f. Load ratings for "0.188 wall" above may be applied to any thicker walled pipe unless otherwise specified.

g. Load ratings based on the use of a 3/8"-16 UNC (M10 x 1.5) threaded rod as the brace member.

h. Load ratings based on the use of 1/2"-13UNC (M12 x 1.75) threaded rod as the brace member.

i. Load ratings based on the use of a Model 300 Beam Clamp (3/8"-16UNC / M10 x 1.5 Bolt) as means for attachment to structural member.

j. Load ratings based on the use of 3/8"-16 UNC (M10 x 1.5) threaded fastener as the attachment fastener to the structural member.

k. Load ratings based on the use of 3/8"-16 UNC (M10 x 1.5) threaded fastener as the attachment fastener to a concrete insert.

l. Includes CSBQG0250MEG to accommodate DN65 pipe size.

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

n. FM Approved when the strut is attached to the side of the brace instead of the back (asymmetric install).

[o. Model number may be followed by a suffix N.](#)

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