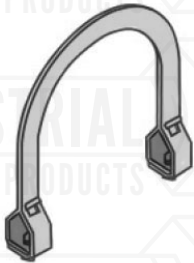




Fig. 1001
Sway Brace Attachment



Material: Steel
Finish: Plain or Electro-Galvanized.
Service: For bracing pipe against sway and seismic disturbance.
Approvals: Underwriters Laboratories Listed in the USA (UL) and Canada (cUL). Approved by Factory Mutual Engineering (FM). Approved by the State of California Office of Statewide Health Planning and Development (OSHPD).
Ordering: Indicate pipe size to be braced, followed by pipe size used for bracing, figure number, and finish.
Notes: The cross reference number for this product is Fig 015

Pipe Size in (mm)	Approximate Weight/100				Max Horizontal Design Load (FM) *							
	1" Brace Pipe		1-1/4" Brace Pipe		30-44 degrees		45-59 degrees		60-74 degrees		75-90 degrees	
	Lbs	(Kg)	Lbs	(Kg)	Lbs	(kN)	Lbs	(kN)	Lbs	(kN)	Lbs	(kN)
1 (25)	100.0	45.3	118.0	53.5	1800	8.00	2550	11.34	3120	13.88	3490	25.52
1-1/4 (32)	100.0	45.3	114.0	51.7	1230	5.47	1740	7.74	2140	9.52	2380	10.58
1-1/2 (40)	100.0	45.3	115.0	52.1	1230	54.7	1740	7.74	2140	9.52	2380	10.58
2 (50)	108.0	49.0	121.0	54.9	1230	5.47	1740	7.74	2140	9.52	2380	10.58
2-1/2 (65)	138.6	62.8	160.4	72.7	800	3.56	1130	5.02	1380	6.14	1540	6.85
3 (80)	147.2	66.7	168.7	76.5	850	3.78	1200	5.34	1470	6.54	1640	7.29
4 (100)	160.9	73.0	182.4	82.7	850	3.78	1200	5.34	1470	6.54	1640	7.29
6 (150)	190.0	86.2	211.4	95.9	510	2.27	730	3.25	890	3.96	990	4.40
8 (200)	217.4	98.6	238.8	108.3	510	2.27	730	3.25	890	3.96	990	4.40

*** Max Horizontal Design Load (FM) Notes**

- For Sch 7, Sch 10, & Sch 40 Pipe
- FM Approved when used with 1 or 1-1/4 inch NPS Schedule 40 GB/T 3091, EN 10255H, or JIS G3451 steel pipe as the brace member.
- Load rating for LW above refers to FM Approved Lightwall Pipe commonly referred to as "Schedule 7". These ratings may also be applied with EN 10220 and GB/T 8163 steel pipe.
- Load rating for "Schedule 10" above may be applied to GB/T 3092, EN 10255M, and H, or JIS G3454, FM Approved Thinwall, or "Schedule 40" steel pipes.

Pipe Size in (mm)	Max Horizontal Design Load (UL) - Lbs					
	Schedule 7		Schedule 10		Schedule 40	
	1"	1-1/4"	1"	1-1/4"	1"	1-1/4"
1 (25)	-	-	1000	1000	1000	1000
1-1/4 (32)	1000	1000	1000	1000	1000	1000
1-1/2 (40)	1000	1000	1500	1500	1500	1500
2 (50)	1000	1000	2015	2015	2015	2015
2-1/2 (65)	1600	1600	2015	2015	2015	2015
3 (80)	1600	1600	2015	2015	2015	2015
4 (100)	1600	1600	2015	2015	2015	2015
6 (150)	1600	1600	2015	2015	2015	2015
8 (200)	1600	1600	2015	2015	2015	2015