

Fig. 1000 - "Fast Clamp" Sway Brace Attachment

Size Range: Pipe size to be braced: 1" (25mm) thru 6" (150mm) Schedule 10 thru 40 IPS. * Pipe size used for bracing: 1" (25mm) and 1 1/4" (32mm) Schedule 40 IPS. * Additionally (UL) approved for use with Allied Dyna Flow sprinkler pipe up to 2" as a restraint device. Maximum horizontal design load is 655 lbs. (2.91kN) Torque requirement is 6-8 ft./lbs. (8-10Nm)

Material: Steel

Function: For bracing pipe against sway and seismic disturbance.

Features: Field adjustable, making critical pre-engineering of bracing pipe unnecessary. Unique design requires no threading of bracing pipe. Can be used as a component of a 4-way riser brace. Can be used as longitudinal brace with Fig. 907. Steel leaf spring insert provided to assure installer and inspector necessary minimum torque has been achieved.

Installation: Fig. 1000 is the "braced pipe" attachment component of a lateral sway brace assembly. It is intended to be combined with the "bracing pipe" and Cooper B-Line/TOLCO structural attachment component, Fig. 980, 910 or 909 to form a complete bracing assembly. Follow NFPA 13 and/or OSHPD guidelines.

To Install: Place the Fig. 1000 over the pipe to be braced, insert bracing pipe through opening leaving a minimum of 1" extension. Brace pipe can be installed on top or bottom of pipe to be braced. Tighten hex nuts until leaf spring is flat. It is recommended that the brace angle be adjusted before hex nuts are fully tightened.

Approvals: Underwriters Laboratories Listed in the USA (UL) and Canada (cUL). Approved by Factory Mutual Engineering (FM). Included in our Seismic Restraints Catalog approved by the State of California Office of Statewide Health Planning and Development (OSHPD). For additional load, spacing and placement information relating to OSHPD projects, please refer to the Cooper B-Line/TOLCO Seismic Restraint Systems Guidelines.

Application Note: Position Fast Clamp and tighten two hex nuts until leaf spring flattens. A minimum of 1" pipe extension beyond the Fig. 1000 is recommended.

Finish: Plain. Contact Cooper B-Line for alternative finishes and materials.

Order By: Order first by pipe size to be braced, followed by pipe size used for bracing, figure number and finish.

Pipe Size		Part Number & Approx. Wt./100						Design Load
in.	(mm)	1" (24mm) Brace Pipe			1 1/4" (32mm) Brace Pipe			**
			Lbs.	(kg)		Lbs.	(kg)	
1"	(25)	1000-1 X 1	71.6	(32.5)	1000-1 X 1 1/4	75.8	(34.4)	UL & FM
1 1/4"	(32)	1000-1 1/4 X 1	74.8	(33.9)	1000-1 1/4 X 1 1/4	79.1	(35.9)	UL & FM
1 1/2"	(40)	1000-1 1/2 X 1	77.8	(35.3)	1000-1 1/2 X 1 1/4	82.1	(37.2)	UL & FM
2"	(50)	1000-2 X 1	84.1	(38.1)	1000-2 X 1 1/4	88.4	(40.1)	UL & FM
2 1/2"	(65)	1000-2 1/2 X 1	90.2	(40.9)	1000-2 1/2 X 1 1/4	94.6	(42.9)	UL & FM
3"	(80)	1000-3 X 1	97.3	(44.1)	1000-3 X 1 1/4	101.7	(46.1)	UL & FM
3 1/2"	(90)	1000-3 1/2 X 1	104.0	(47.2)	1000-3 1/2 X 1 1/4	108.4	(49.2)	UL & FM
4"	(100)	1000-4 X 1	110.3	(50.0)	1000-4 X 1 1/4	114.6	(52.0)	UL & FM
5"	(125)	1000-5 X 1	123.1	(55.8)	1000-5 X 1 1/4	127.4	(57.8)	--
6"	(150)	1000-6 X 1	136.5	(61.9)	1000-6 X 1 1/4	140.8	(63.8)	--
8"	(200)	1000-8 X 1	157.4	(71.4)	1000-8 X 1 1/4	162.6	(73.7)	--

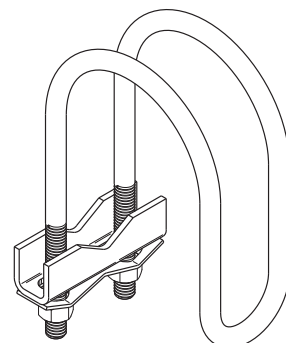
** See load ratings in UL Listed & FM Approved Design Load charts.

Cooper B-Line, Inc.'s ("Cooper B-Line") seismic bracing components are designed to be compatible only with other Cooper B-Line bracing components, resulting in a listed seismic bracing assembly. Cooper B-Line's warranty for seismic bracing components will be the warranty provided in Cooper B-Line's standard terms and conditions of sale made available by Cooper B-Line, except that, in addition to the other exclusions from Cooper B-Line's warranty, Cooper B-Line makes no warranty relating to Cooper B-Line's seismic bracing components that are combined with products not provided by Cooper B-Line.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.



Component of State of California OSHPD Approved Seismic Restraints System

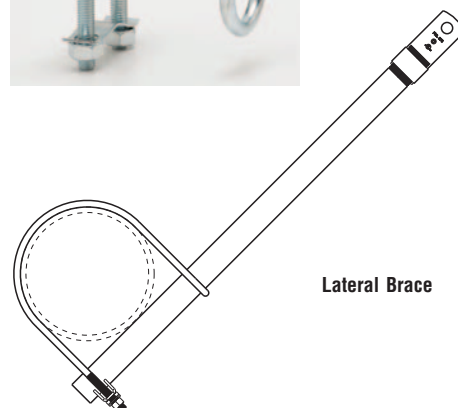


Hardware Included

UL Listed Design Load
1" (25mm) thru 4" (100mm) pipe size - 2015 lbs. (8.96kN)
Schedule 10 & Schedule 40 Pipe

FM Approved Design Loads *
1" (25mm) to 2 1/2" (65mm) pipe size - 600 lbs. (2.67kN)
3" (75mm) to 4" (100mm) pipe size - 700 lbs. (3.11kN)

* The loads listed are axial loads on the brace. The horizontal load capacity, H, of the brace is: $H = F \times \sin \theta$, where θ is the installation angle measured from the vertical.



Lateral Brace