

TOLCO™ Fig. 4L - Longitudinal In-Line Sway Brace Attachment (FM Approved)

Size Range: 2 1/2" (65mm) through 8" (200mm) IPS.

Material: Steel

Function: For bracing pipe against sway and seismic disturbance.

Approvals: Approved by Factory Mutual Engineering (FM), 2 1/2" (65mm) through 8" (200mm) pipe.

For UL Listed information refer to UL Listed page 74.

Included in our Seismic Engineering Guidelines 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 our Seismic Engineering Guidelines, OPM-0052-13.

Installation Instructions: Fig. 4L is the "braced pipe" attachment component of a longitudinal sway brace assembly. It is intended to be combined with the "bracing pipe" and TOLCO structural attachment component to form a complete bracing assembly. NFPA 13 and/or FM guidelines should be followed.

To Install: Place the Fig. 4L over the pipe to be braced and tighten bolts. Then engage "bracing pipe" into jaw opening and tighten set bolt until head snaps off. Jaw attachment can pivot for adjustment to proper brace angle.

Finish: Plain. Contact customer service for alternative finishes and materials.

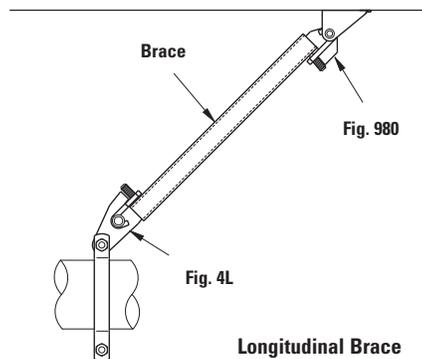
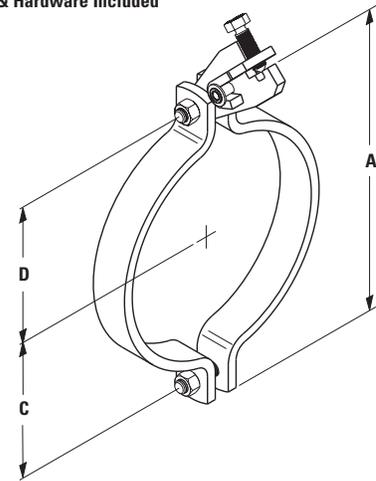
Order By: Figure number, pipe size and finish.

Designed to meet or exceed requirements of FM DS 2-8.

OPM



Set Bolt & Hardware Included



Part No.	Pipe Size in. (mm)	A		C		D		Bolt Size	Max. Rec. Load (FM)				Approx. Wt./100 lbs. (kg)
		in.	(mm)	in.	(mm)	in.	(mm)		30°-44° lbs. (kN)	45°-59° lbs. (kN)	60°-74° lbs. (kN)	75°-90° lbs. (kN)	
4L-2 1/2	2 1/2" (65)	6 7/16"	(163.5)	2 1/2"	(63.5)	2 3/4"	(69.8)	1/2"-13	1030 (4.58)	1180 (5.24)	1420 (6.31)	1590 (7.07)	253 (114.7)
4L-3	3" (80)	7"	(177.8)	2 3/4"	(69.8)	3 1/16"	(77.8)	1/2"-13	1030 (4.58)	1180 (5.24)	1420 (6.31)	1590 (7.07)	268 (121.5)
4L-4	4" (100)	8 1/2"	(215.9)	3 3/8"	(85.7)	3 11/16"	(93.7)	1/2"-13	530 (2.36)	730 (3.25)	890 (3.96)	990 (4.40)	348 (157.8)
4L-5	5" (125)	9 3/4"	(247.6)	3 7/8"	(98.4)	4 3/8"	(111.1)	1/2"-13	530 (2.36)	730 (3.25)	890 (3.96)	990 (4.40)	380 (172.3)
4L-6	6" (150)	11 1/2"	(292.1)	5"	(127.0)	5 1/8"	(130.2)	1/2"-13	530 (2.36)	730 (3.25)	890 (3.96)	990 (4.40)	640 (290.3)
4L-8	8" (200)	13 1/4"	(336.5)	5 5/8"	(142.8)	5 5/8"	(142.9)	1/2"-13	490 (2.18)	680 (3.02)	830 (3.69)	930 (4.13)	728 (330.2)

FM Approved when used with 1", 1 1/4", 1 1/2" or 2" Sch. 40 brace pipe.

FM Approved design loads are based on ASD design method.

* UL Listed not FM Approved.

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

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