Fig. 800 - Adjustable Sway Brace Attachment to Steel

c UL US LISTED

FM APPROVED

Component of State of California OSHPD Approved Seismic Restraints System

Size Range — 4" thru 18" beam width

Material — Carbon Steel

Function — Seismic brace attachment to steel.

Features — This product's design incorporates a concentric attachment point which is critical to the performance of structural seismic connections. NFPA 13 indicates the importance of **concentric** loading of connections and fasteners. Permits secure connection to steel where drilling and/or welding of brace connection could present structural issues.

Installation Instructions — The Fig. 800 is the structural attachment component of a longitudinal or lateral sway brace assembly. It is intended to be combined with a TOLCO transitional attachment, "bracing pipe" and a TOLCO "braced pipe" attachment to form a complete bracing assembly. NFPA 13 and/or OSHPD guidelines should be followed.

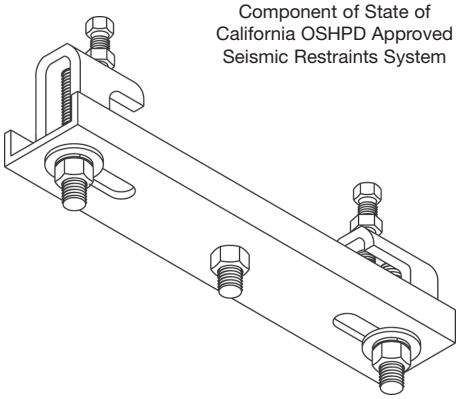
To Install — Place the Fig. 800 on the steel beam, tighten the cone point set bolts on flange until bolt heads break off. Tighten hex head bolts into clamp body until lock washers are fully flat. Attach other TOLCO transitional attachment fitting, Fig. 909, 910, 980 or 986. Transitional fitting attachment can pivot for adjustment to proper brace angle.

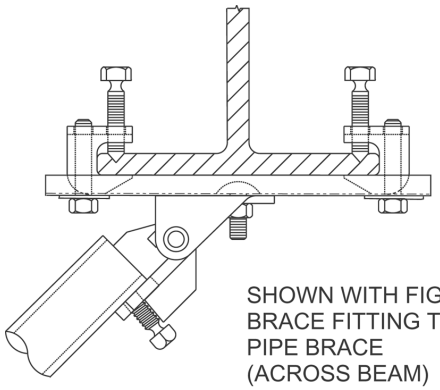
Approvals — Underwriters Laboratories Listed in the USA **(UL)** and Canada **(cUL)**. Approved by Factory Mutual Engineering **(FM)**. Included in our Seismic Restraints Catalog approved by the State of California Office of Statewide Health Planning and Development (**OSHPD**). For additional load,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

Finish — Plain

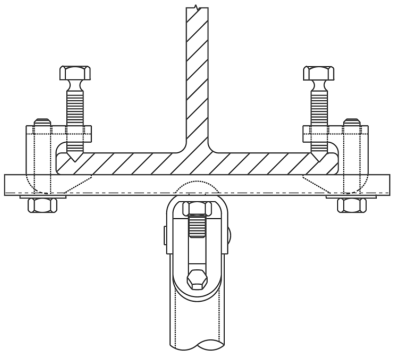
Note — Available in Electro-Galvanized and HDG finish.

Order By — Figure number, type number and size number.





SHOWN WITH FIG. 980 BRACE FITTING TO PIPE BRACE (ACROSS BEAM)



SHOWN WITH FIG. 980 BRACE FITTING TO PIPE BRACE (ALONG BEAM)

Dimensions • Weights

Size	Fits Beam Range (In.)	Max. Design Loads/Lbs. (cULus) Along Beam	Max. Design Loads/Lbs. (cULus) Across Beam	Max. Design Load Lbs. (FM)* Along Beam	Max. Design Load Lbs. (FM)* Across Beam
1	4 - 6	1265	2015	2800	2800
2	6 - 8	1265	2015	2800	2800
3	8 - 10	1265	2015	2800	2800
4	10 - 12	1265	2015	2800	2800
5	12 - 14	1265	2015	2800	2800
6	14 - 16	1265	2015	2800	2800
7	16 - 18	1265	2015	2800	2800

Dimensions • Weights

Type	Flange Thickness Max. (In.)	Max. Design Loads/Lbs. (cULus) Along Beam	Max. Design Loads/Lbs. (cULus) Across Beam	Max. Design Load Lbs. (FM)* Along Beam	Max. Design Load Lbs. (FM)* Across Beam
1	3/4	1265	2015	2800	2800
2	1¼	1265	2015	2800	2800

* 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.

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