

## Fig. AF775 (Formerly Anvil Fig. 775) Longitudinal & Lateral Seismic Clamp

**Size Range:** Service Pipe: 2½" through 8" Carbon Steel

Brace Pipe: 1" or 1¼" Sch. 40 IPS

**Material:** Carbon Steel Clamp and Ductile Iron Brace Socket

**Finish:** ☐ Plain or ☐ Galvanized (Brace Socket Electro-Galvanized per ASTM B633 and Clamps Hot-Dip Galvanized per ASTM A153).

**Service:** Designed to rigidly brace piping systems subjected to longitudinal and lateral seismic loads. May also be installed to brace piping systems subjected to vertical seismic loads. For vertical load capacities, reference OSHPD OPM-0351-13.

**Approvals:** cULus Listed (UL 203a) and FM Approved (FM 1950-10 & FM 1950-13). OSHPD Pre-Approved (OPM-0351-13 and OPA-2804-10). Complies with the hanging and bracing requirements listed in NFPA 13.

**Features:** For use in either longitudinal or lateral seismic brace applications.

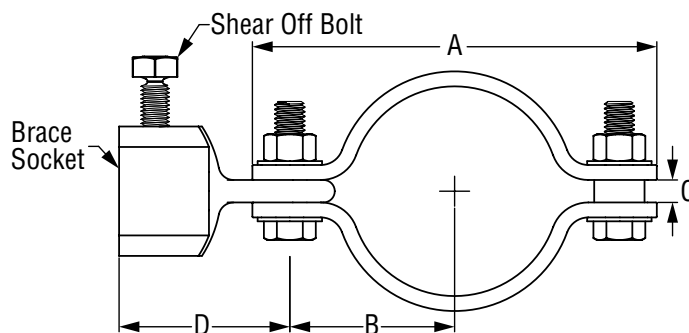
### Installation Instructions:

- Position the clamp at the desired location on the service pipe and hand tighten the hex bolts. Ensure the spacer and the brace socket attachment are positioned on the bolt between the pipe clamps ears.
- Insert brace pipe into the socket until the brace pipe bottoms out.
- Torque shear off bolt until the bolt head breaks off.
- Ensure the brace pipe is set to the desired installation brace angle.
- Tighten the clamp bolts and nuts equally and alternately until metal to metal contact is achieved with the proper torque value.
- Fire Protection applications shall also be installed per the requirements of NFPA 13 and local codes.

**Ordering:** Specify service pipe size, brace pipe size, figure number, finish and description.



oshpd  
OPM-0351-13



**Notes:** Anvil International® brand bracing components are designed to be compatible ONLY with other Anvil International® brand bracing components, resulting in a Listed seismic bracing assembly. Updated UL listing information may be viewed at [www.ul.com](http://www.ul.com) and updated FM approval information may be viewed at [www.approvalguide.com](http://www.approvalguide.com).

**Disclaimer:** Anvil International ("Anvil") does not provide any warranties and specifically disclaims any liability whatsoever with respect to Anvil bracing products and components that are used in combination with products, parts or systems not manufactured or sold by Anvil. In no event shall Anvil be liable for any incidental, direct, consequential, special or indirect damages or lost profits where non-Anvil bracing components have been, or are used.

**SeisBrace® Seismic Fire Protection Design Tool** may be accessed at [www.seisbrace.com](http://www.seisbrace.com)

**FIG. AF775: WEIGHT (LBS) • DIMENSIONS (IN) • WEIGHT (LBS) • TORQUE (FT-LBS)**

Service Pipe Size	A	B	C	D 1" Brace	D 1¼" Brace	Socket Depth	1" Brace Pipe Weight	1¼" Brace Pipe Weight	Installation Torque
2½	6	2¾	¾	2⅞	3	1⅜	2.19	2.54	80
3	6¾	2¾					2.36	2.71	
4	8½	3½					2.62	2.97	100
5	9½	4					3.74	4.09	
6	11½	4⅞	⅞				6.32	6.67	120
8	13¾	6					7.42	7.77	140

### PROJECT INFORMATION

### APPROVAL STAMP

Project:	<input type="checkbox"/> Approved
Address:	<input type="checkbox"/> Approved as noted
Contractor:	<input type="checkbox"/> Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

**Fig. AF775** (Formerly Anvil Fig. 775)

**Longitudinal & Lateral Seismic Clamp (cont.)**

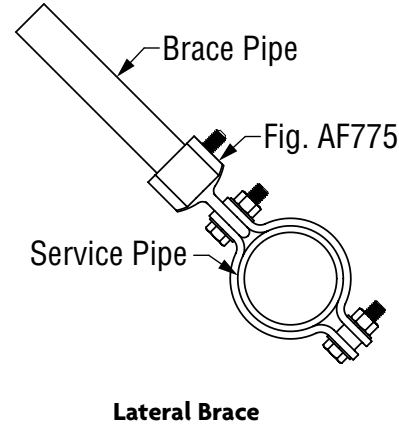
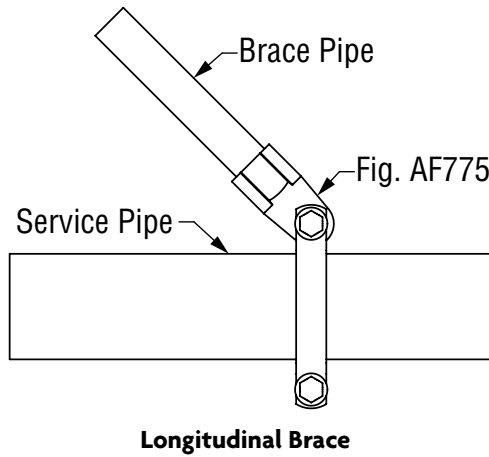


FIG. AF775 FM MAX SEISMIC LATERAL ASD LOADS***: DIMENSIONS (IN) • LOADS (LBS) • ANGLES (DEG)						
Service Pipe Size	Pipe Schedules	Brace Pipe Size	Max Seismic Brace Load at Brace Pipe Angle**			
			30-44	45-59	60-74	75-90
2½ – 3	LW*	1 – 1¼	1570	2220	1690	1870
4			1520	1060	910	1000
5			1570	2220	1690	1870
6			1570	2220	910	1040
2½ – 3	Sch. 10 – Sch. 40		1370	2150	2390	2640
4			1280	1810	1680	1870
5			1370	2150	2390	2640
6			1520	2150	2570	2830
8			1570	2220	2720	3140

\* Load rating for LW above refers to FM Approved Lightwall pipe, commonly referred to as Sch.7 and Flow Pipe. See FM Approval Guide for approved Lightwall pipe.

\*\* Brace Pipe Angles are determined from vertical.

\*\*\* The allowable FM approved capacity of brace subassemblies are listed in Allowable Stress Design (ASD). For Load Resistance Factor Design (LRFD) capacities, the above values will need to be multiplied by 1.5.

<b>FIG. AF775 cULus MAX SEISMIC LATERAL LOADS: DIMENSIONS (IN) • LOADS (LBS)</b>			
Service Pipe Size	Brace Pipe Size	Max Seismic Brace Load	
		Sch. 10	Sch. 40
2½ – 4	1 – 1¼	1000	1000
5 – 6		1600	1600
8		2015	2015