Fig. AF776 (Formerly Anvil Fig. 776) OSHPD Lateral Brace Clamp



Size Range: Service Pipe: 2½" through 8" Carbon Steel
Brace Pipe: 1" or 1¼" Sch. 40

Material: Carbon Steel

Finish: ☐ Plain or ☐ Electro-Galvanized per ASTM B633

Service: Designed to rigidly brace piping systems subjected to 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: 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: Visual indication of proper assembly when the head of the set screw bottoms out on the hoop ends.

Installation Instructions:

- Place the OSHPD Lateral Brace Clamp over the service pipe to be braced and slide the Sch. 40 brace pipe through the hoop ends. The end of the brace pipe must extend at least 1" past the hoop ends.
- Note: The brace pipe may be installed above or below the service pipe.
- Ensure brace pipe is set to the desired installation brace angle.
- Torque the set screws alternately and equally until the head of the set screw bottoms out on the hoop ends.
- For riser/4-way brace installations, two OSHPD Lateral Brace Clamps must be installed within 6" of each other.
- 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.

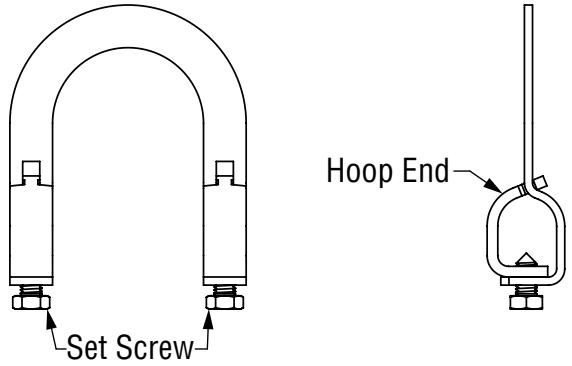


FIG. AF776: DIMENSIONS (IN) • WEIGHT (LBS)

Service Pipe Size	Weight	
	1" Brace Pipe	1¼" Brace Pipe
2½	1.26	1.50
3	1.44	1.58
4	1.55	1.68
5	1.66	1.87
6	1.74	1.95
8	1.98	2.29

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 FM approval information may be viewed at 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

PROJECT INFORMATION	APPROVAL STAMP
Project:	☐ Approved
Address:	☐ Approved as noted
Contractor:	☐ Not approved
Engineer:	**Remarks:**
Submittal Date:	
Notes 1:	
Notes 2:	

Fig. AF776 (Formerly Anvil Fig. 776) OSHPD Lateral Brace Clamp (cont.)

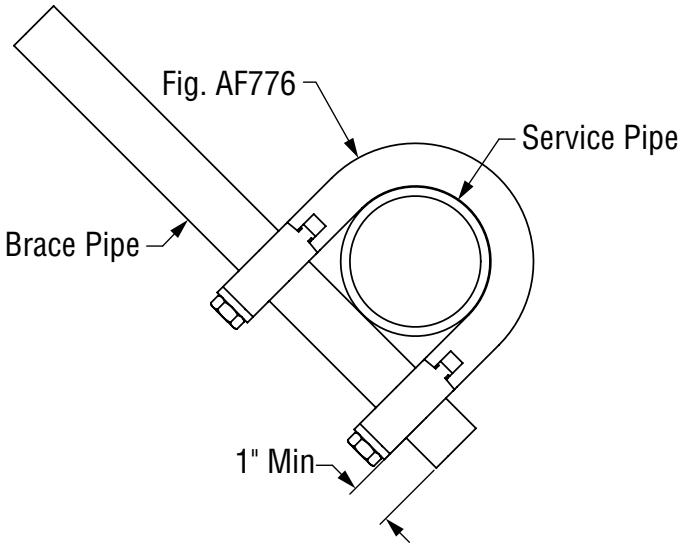


FIG. AF776 FM MAX SEISMIC LATERAL ASD LOADS***: DIMENSIONS (IN) • LOADS (LBS) • ANGLES (DEG)						
Service Pipe Size	Brace Pipe Size	Pipe Schedules	Max Seismic Brace Load at Brace Pipe Angle**			
			30-44	45-59	60-74	75-90
2 1/2	1 – 1 1/4	LW*	600	850	1040	1160
		Sch. 10 – Sch. 40	620	880	1080	1200
3		LW*	520	740	910	1010
		Sch. 10 – Sch. 40	620	880	1080	1200
4		LW*	520	740	910	1010
		Sch. 10 – Sch. 40	690	980	1200	1340
5		LW*	520	740	910	1010
		Sch. 10 – Sch. 40	670	940	1160	1290
6		LW*	560	790	970	1080
		Sch. 10 – Sch. 40	670	940	1160	1290
8		Sch. 10 – Sch. 40	540	770	940	1050

* 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.