OSHPD Lateral Brace Clamp
Fig. AF776



Material Specifications

Size Range
Service Pipe: 2 ½" through 8" Carbon Steel
Brace Pipe: 1" or 1 ¼" 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.

Material Specifications (continued)

Approvals
FM Approved (FM 1950-10 & FM 1950-23). 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.

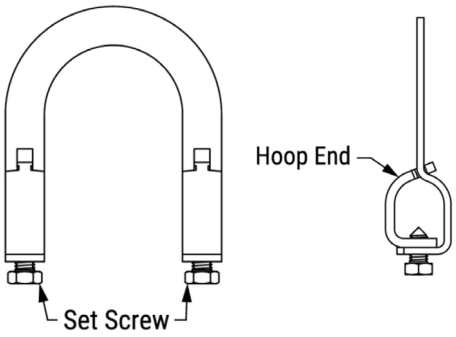
Ordering
Specify service pipe size, brace pipe size, figure number, finish and description.

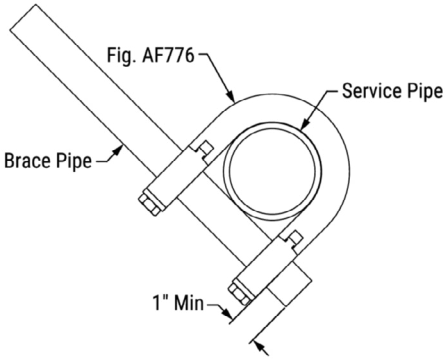
FM APPROVED oshpd

AFCON An ASC Engineered Solution

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

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Dimensions (In) • Weight (Lbs)

Service Pipe Size	Weight	
	1" Brace Pipe	1 ¼" Brace Pipe
2 ½	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
ASC Engineered Solutions™ brand bracing components are designed to be compatible ONLY with other ASC Engineered Solutions brand bracing components, resulting in a Listed seismic bracing assembly. Updated FM approval information may be viewed at www.approvalguide.com.

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

SeisBrace® Seismic Fire Protection Design Tool may be accessed at www.seisbrace.com

FM Max Seismic Lateral ASD Loads***: Dimensions (In) • Load (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 ½	1 – 1 ¼	LW*	530	810	1030	1150
		Sch. 10 – Sch. 40	570	870	1100	1230
3		LW*	550	870	1120	1290
		Sch. 10 – Sch. 40	570	870	1100	1230
4		LW*	550	870	1120	1290
		Sch. 10 – Sch. 40	590	920	1200	1390
5		LW*	550	870	1120	1290
		Sch. 10 – Sch. 40	490	800	1090	1250
6		LW*	400	680	930	1070
		Sch. 10 – Sch. 40	490	800	1090	1250
8		Sch. 10 – Sch. 40	430	610	750	830

* 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 2.2.

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