Fig. AF779 (Formerly Anvil Fig. 779 & Afcon Fig. 080) Multi-Connector Adapter

Size Range: Service Line: Up to 12"
Fasteners: 1/2" through 3/4"
Mounting Hole: 3/8" and 1/2"

Material: Carbon Steel

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

Service: Used to rigidly brace and restrain piping systems subjected to seismic loads. The multi-connector adapter distributes the load into the structure through two fasteners, maximizing the load capacity of the brace or restraint. For rigid brace assemblies, the multi-connector adapter may be installed in combination with Anvil's Fig. AF771, AF075, AF076, and AF077. For restraint assemblies, the multi-connector adapter may be installed in combination with Anvil's Fig. AF777.

Approvals: cULus Listed (UL 203a). Complies with the hanging and bracing requirements listed in NFPA 13.

Installation Instructions:

- Install two fasteners through the fastener holes (H2). Install per the fastener manufacturer's installation instructions.
- Install seismic brace or restraint through mounting hole (H1).
- Fire Protection applications shall also be installed per the requirements of NFPA 13 and local codes.

Ordering: Specify size, figure number, finish and description.

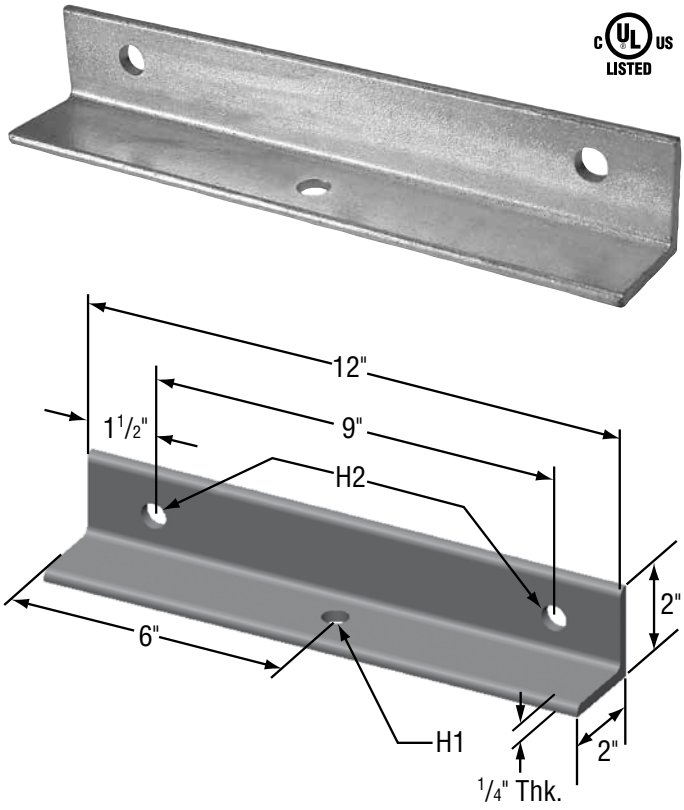


FIG. AF779 UL MAX LOAD: DIMENSIONS (IN) • LOADS (LBS)				
Size	UL Max Seismic Brace Load	UL Max Service Pipe Size Rigid Brace	UL Max Seismic Restraint Load	UL Max Service Pipe Size Restraint
1	3740	12	1000	2
2				
3				
4				

FIG. AF779: DIMENSIONS (IN) • WEIGHT (LBS)					
Size	Mounting Bolt Diameter	Fastener (2X) Diameter	H1 Diameter	H2 Diameter	Weight
1	3/8	1/2	7/16	9/16	3.06
2	1/2		9/16		3.06
3		5/8		11/16	3.04
4		3/4		13/16	3.02

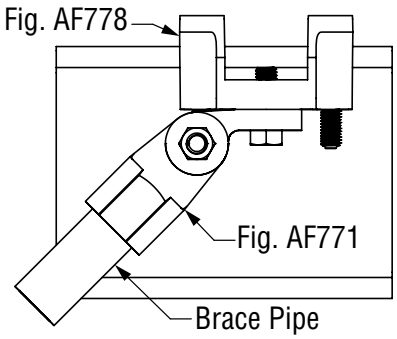
Notes: Anvil International® brand bracing components are designed to be compatible ONLY with other Anvil International® brand bracing components, resulting in a Listed seismic bracing assembly. Updated UL listing information may be viewed at www.ul.com

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.

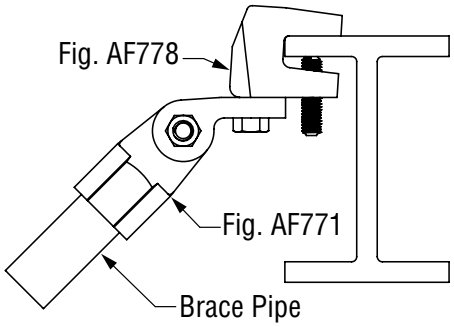
PROJECT INFORMATION	APPROVAL STAMP
Project:	☐ Approved
Address:	☐ Approved as noted
Contractor:	☐ Not approved
Engineer:	**Remarks:**
Submittal Date:	
Notes 1:	
Notes 2:	

Fig. AF778 (Formerly Anvil Fig. 778)

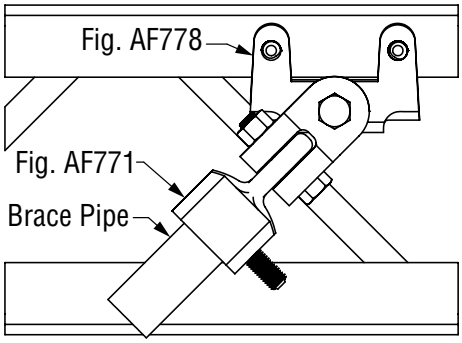
Universal Structural Brace Attachment (cont.)



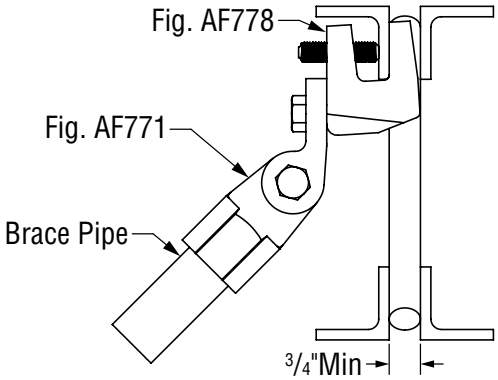
Horizontal Steel Flange
Seismic Load Parallel to Flange



Horizontal Steel Flange
Seismic Load Perpendicular to Flange



Vertical Steel Flange
Seismic Load Parallel to Flange



Vertical Steel Flange
Seismic Load Perpendicular to Flange

FIG. AF778 cULus MAX SEISMIC HORIZONTAL LOADS: DIMENSIONS (IN) • LOADS (LBS)				
Structure	**Seismic Load Orientation**	**Min Flange Thickness**	**Max Seismic Brace Load**	**Max Service Pipe Size**
Horizontal Steel Flange and Vertical Steel Flange	Parallel to Flange	3/16	1000	4
	Perpendicular to Flange			
	Parallel to Flange	1/4	1600	6
	Perpendicular to Flange			
	Parallel to Flange	1/2	2015	8
	Perpendicular to Flange			

FIG. AF778 FM MAX SEISMIC HORIZONTAL ASD LOADS**: DIMENSIONS (IN) • LOADS (LBS) • ANGLES (DEG)						
Structure	**Seismic Load Orientation**	**Min Flange Thickness**	**Max Seismic Brace Load at Brace Pipe Angle***			
			30-44	**45-59**	**60-74**	**75-90**
Horizontal Steel Flange	Parallel to Flange	1/8	870	1440	1230	1360
	Perpendicular to Flange		1030	2260	2490	2750
Vertical Steel Flange	Parallel to Flange		1280	1840	2210	2470
	Perpendicular to Flange		1570	1490	1040	1150

* 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.