

## Fig. AF772 (Formerly Anvil Fig. 772)

## Adjustable Steel Beam Attachment

**Size Range:** Beam Widths: 4" through 15"  
Flange Thickness: 3/8" through 1 1/4"

**Material:** Carbon Steel

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

**Service:** Designed to rigidly brace piping systems subjected to horizontal 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:**

- Field adjustable to fit a wide range of beams.
- Centers the Fig. AF771 below the beam.

**Installation Instructions:**

- Move both c-clamps until they reach the outside of the slots.
- Place the adjustable steel beam attachment on the underside of the beam and adjust the c-clamps until they contact the outside edges of the beam flange. Hand tighten the c-clamp bolts.
- Torque each shear off set screw until the head shears off.
- Torque each c-clamp bolt to 55ft-lbs to secure the channel to the underside of the beam.
- Install the Fig. AF771 to the center mounting bolt. Installation angle determined by the brace angle of the AF771 and brace pipe.
- Fire Protection applications shall also be installed per the requirements of NFPA 13 and local codes.

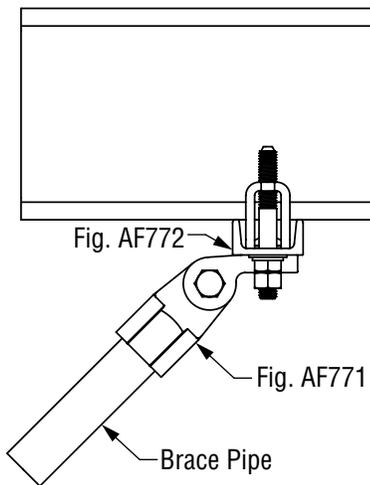
**Ordering:** Specify type, length, figure number, finish and description.



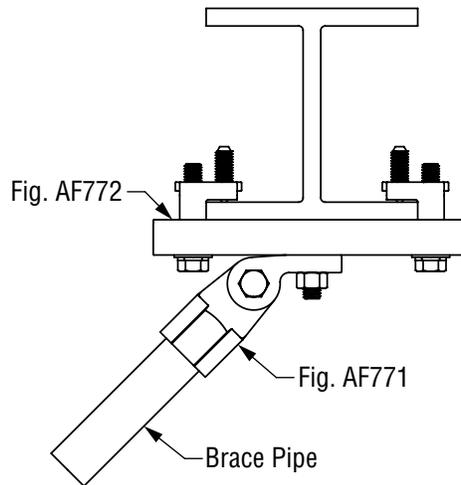
osHPD  
OPM-0351-13

UL  
LISTED

FM  
APPROVED



**Horizontal Steel Flange (I-Beam)  
Seismic Load Parallel to Flange**



**Horizontal Steel Flange (I-Beam)  
Seismic Load Perpendicular to Flange**

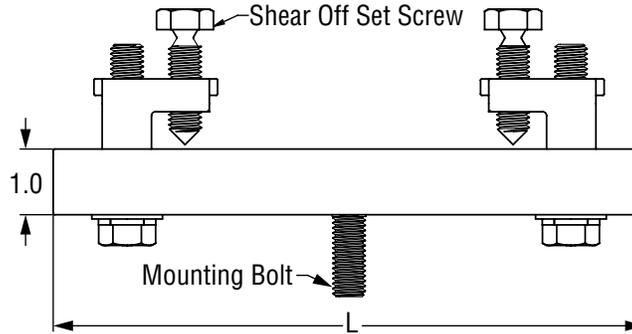
**Notes:** Anvil International® brand bracing components are designed to be compatible ONLY with other Anvil International® brand bracing components, resulting in a Listed seismic bracing assembly. Updated UL listing information may be viewed at [www.ul.com](http://www.ul.com) and updated FM approval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

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. AF772** (Formerly Anvil Fig. 772) **Adjustable Steel Beam Attachment (cont.)**



**FIG. AF772 cULus MAX SEISMIC LATERAL LOADS\*\*\*: DIMENSIONS (IN) • LOADS (LBS)**

Type	Length (L)	Beam Width	Flange Thickness	Seismic Load Orientation	Max Seismic Brace Load	Max Service Pipe Size
A	9	4 - 7	1/2 - 3/4	Parallel to Flange	1000	4
				Perpendicular to Flange	1600	6
	12	7 - 10		Parallel to Flange	1000	4
				Perpendicular to Flange	1600	6
	14	9 - 12		Parallel to Flange	1000	4
				Perpendicular to Flange	1600	6
B	9	4 - 7	3/4 - 1 1/4	Parallel to Flange	1000	4
				Perpendicular to Flange		
	12	7 - 10		Parallel to Flange		
				Perpendicular to Flange		
	14	9 - 12		Parallel to Flange		
				Perpendicular to Flange		
	17	12 - 14		Parallel to Flange		
				Perpendicular to Flange		

**FIG. AF772 FM MAX SEISMIC LATERAL ASD LOADS\*\*\*: DIMENSIONS (IN) • LOADS (LBS) • ANGLES (DEG)**

Type	Length (L)	Beam Width	Flange Thickness	Seismic Load Orientation	Max Seismic Brace Load at Brace Pipe Angle**			
					30-40	45-59	60-74	75-90
A	9	4 - 7	3/8 - 3/4	Parallel to Flange	470	480	580	640
				Perpendicular to Flange	540	710	880	980
	12	7 - 10		Parallel to Flange	470	480	580	640
				Perpendicular to Flange	540	710	880	980
	14	9 - 12		Parallel to Flange	470	480	580	640
				Perpendicular to Flange	540	710	880	980
B	9	4 - 7	3/4 - 1 1/4	Parallel to Flange	470	480	580	640
				Perpendicular to Flange	540	710	880	980
	12	7 - 10		Parallel to Flange	330	640	790	880
				Perpendicular to Flange	470	740	910	1010
	14	9 - 12		Parallel to Flange	330	640	790	880
				Perpendicular to Flange	470	740	910	1010
	17	12 - 14		Parallel to Flange	330	640	790	880
				Perpendicular to Flange	470	740	910	1010

\* 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.