

Multi-Connector Adapter  
Fig. AF779

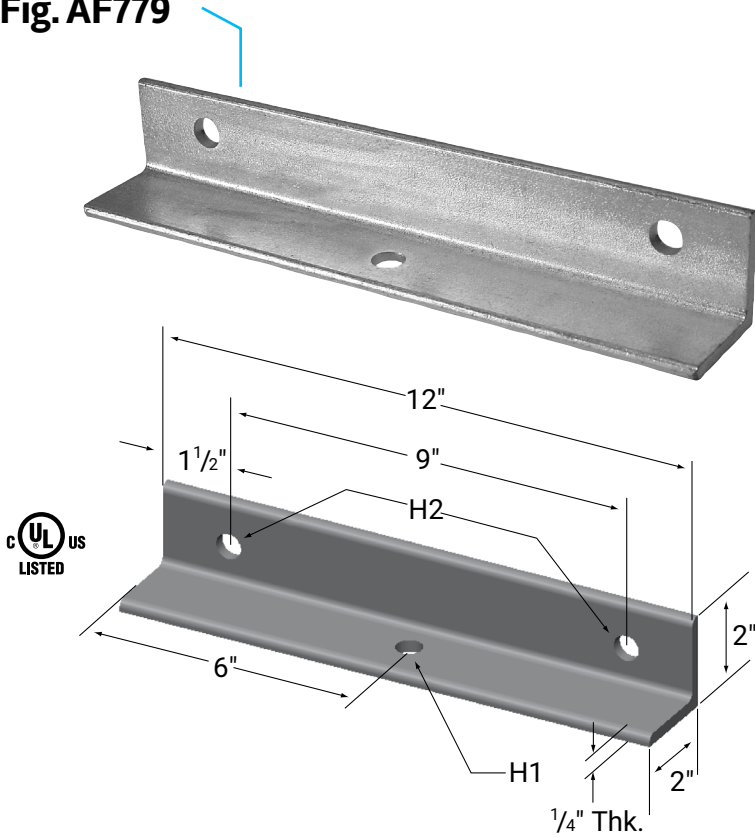


FIG. AF779 Dimensions and Weight

Size	Mounting Bolt	Fastner Diameter (X2)	H1 Diameter	H2 Diameter	Weight
			In./mm	In./mm	
1	3/8" (M10)	1/2" (M12)	0.44 11.2	0.56 14.2	3.06 1.39
2	1/2" (M12)	1/2" (M12)	0.56 14.2	0.56 14.2	3.06 1.39
3	1/2" (M12)	5/8" (M16)	0.56 14.2	0.69 17.5	3.04 1.38
4	1/2" (M12)	3/4" (M18)	0.56 14.2	0.81 20.6	3.02 1.37

Material Specifications

Size Range:

Fasteners: 1/2" - 3/4"

Mounting Holes: 3/8" - 1/2"

Material

Carbon Steel

Finish

Plain

Electro-Galvanized per ASTM B633

Service

A seismic structural attachment designed to distribute seismic loads into the structure through two fasteners. The AF779 rigidly braces piping systems subjected to horizontal seismic loads. For restraint assemblies, the AF779 may be installed in combination with the Fig. AF777.

Approvals

cULus Listed (ANSI/UL 203a). Complies with NFPA 13, ASCE 7, IBC, & MSS SP-127 bracing requirements.

Ordering

Specify figure number, size, finish, and description.

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 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:

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

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

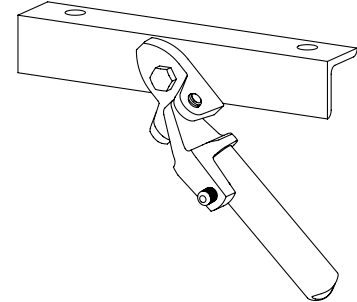


PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

## Multi-Connector Adapter Fig. AF779

FIG. AF779 cULus Listing per ANSI/UL 203a (ASD)

Horizontal Load Rating at Brace Angle			
30°-44°	45°-59°	60°-90°	Listed
1000 lbf (4.45 kN)	1414 lbf (6.29 kN)	1731 lbf (7.70 kN)	2000 lbf (8.90 kN)



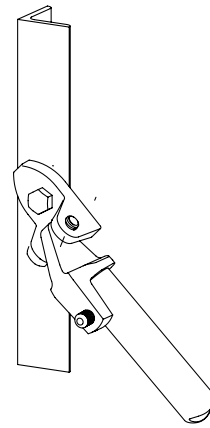
NFPA Fastener Orientations A, B, or C

- 1) Listed for installation with Fig. AF075, AF076, AF077, AF700, and AF771. The lowest load rating at angle shall control the load rating of the assembly.
- 2) Brace Angles are determined from Vertical.
- 3) Listed load ratings reduced for angle ranges in accordance with NFPA 13-2019 Table 18.5.2.3.
- 4) Minimum safety factor of 2.2 in accordance with NFPA 13-2019 Section A.18.5.2.3.

FIG. AF779 cULus Listing per UL 203a (ASD) for NFPA 13-2016 Editions or Earlier

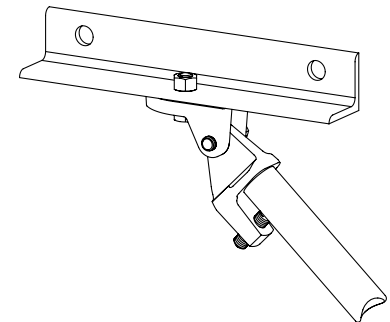
UL's current Listings are predicated on installation in accordance with the latest edition of NFPA 13. The 2016 and earlier editions of NFPA 13 referenced a minimum safety factor of 1.5 for the load rating as compared to 2.2 for the current edition. The load ratings noted in this table are consistent with the historical cULus Listings that were evaluated to the requirements of UL 203A, Outline of Investigation for Sway Brace Devices for Fire Sprinkler System Piping, based upon a minimum safety factor of 1.5 in accordance with the earlier editions of NFPA 13. The load ratings based upon the 2016 or earlier editions of NFPA 13 should only be used where approved by the Authority Having Jurisdiction (AHJ).

Horizontal Load Rating at Brace Angle			
30°-44°	45°-59°	60°-90°	Listed
1870 lbf (8.32 kN)	2644 lbf (11.77 kN)	3238 lbf (14.40 kN)	3740lbf (16.64 kN)



NFPA Fastener Orientations D, E, or F

- 1) Listed for installation with Fig. AF075, AF076, AF077, AF700, and AF771. The lowest load rating at angle shall control the load rating of the assembly.
- 2) Brace Angles are determined from Vertical.
- 3) Listed load ratings reduced for angle ranges in accordance with NFPA 13-2016 Table 9.3.5.2.3.
- 4) Minimum safety factor of 1.5 in accordance with NFPA 13-2016 Section A.9.3.5.2.3



NFPA Fastener Orientations G, H, or I

### Installation

- 1) Install two fasteners through the fastener holes (H2). Install per the fastener manufacturer's installation instructions.
- 2) Install the seismic brace or restraint through mounting hole (H1) using the applicable sized Hex Nut and Hex Bolt (Not Provided).



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