

Longitudinal & Lateral Seismic Clamp – Stainless Steel Fig. AF730SS

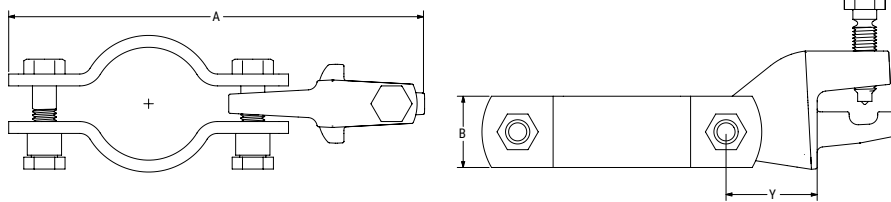
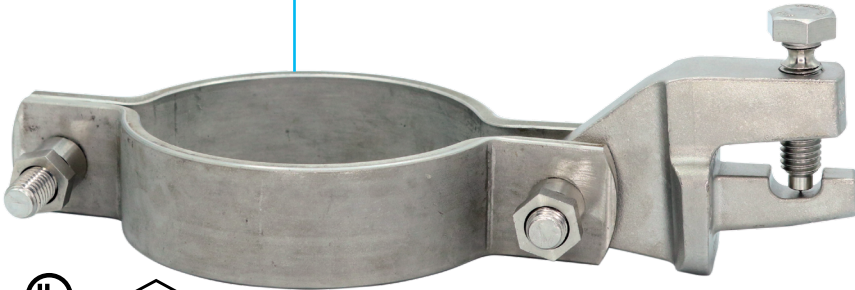


FIG. AF730 Dimensions and Weight

Size	A		B	Y	Weight	
	ln./mm	mm			ln./mm	mm
1"	7.6	193			2.80	1.27
1¼"	8.0	203			2.90	1.32
1½"	8.2	208			2.97	1.35
2"	8.7	221			3.12	1.42
2½"	9.2	234	1.50	38.1	1.91	48.5
3"	9.8	249			3.50	1.59
4"	10.8	274			3.83	1.73
6"	13.2	335			4.59	2.08
8"	15.2	386			5.26	2.38

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 and updated FM approval information may be viewed at www.approvalguide.com.

Material Specifications

Size Range

Service Pipe Size: 1" – 8"

Material

Carbon 316 Stainless Steel Brace Member Attachment Fitting, Clamp, and Hardware.

Service

A seismic longitudinal and lateral brace clamp designed to connect a piping system to a brace member. The AF730SS rigidly braces piping systems subjected to horizontal and vertical seismic loads.

Approvals

cULus Listed (ANSI/UL 203a) and FM Approved (FM 1950-13). FM Tested (ANSI/FM 1950-16). Complies with NFPA 13, ASCE 7, IBC, & MSS SP-127 bracing requirements.

SEE SIZES AND LOADS BELOW

Features

- Torque off set screw and nuts provide a visual indication that the desired installation torque values have been achieved.

Ordering

Specify figure number, service pipe size and description.

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



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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FIG. AF730SS cULus Listing per ANSI/UL 203a (ASD)

Service Pipe Size	Standard Service Pipe	Horizontal Load Rating at Brace Angle							
		Longitudinal Load Rating				Lateral Load Rating			
		30°-44°	45°-59°	60°-90°	Listed	30°-44°	45°-59°	60°-90°	Listed
		lbf/kN	lbf/kN	lbf/kN	lbf/kN	lbf/kN	lbf/kN	lbf/kN	lbf/kN
1"	SCH. 10 SCH. 40	N/A	N/A	N/A	N/A	942 4.19	1333 5.93	1632 7.26	1885 8.38
1¼"	SCH. 10 SCH. 40	N/A	N/A	N/A	N/A	942 4.19	1333 5.93	1632 7.26	1885 8.38
1½"	SCH. 10 SCH. 40	N/A	N/A	N/A	N/A	942 4.19	1333 5.93	1632 7.26	1885 8.38
2"	SCH. 10 SCH. 40	340 1.51	480 2.14	588 2.62	680 3.02	942 4.19	1333 5.93	1632 7.26	1885 8.38
2½"	SCH. 10 SCH. 40	340 1.51	480 2.14	588 2.62	680 3.02	942 4.19	1333 5.93	1632 7.26	1885 8.38
3"	SCH. 10 SCH. 40	340 1.51	480 2.14	588 2.62	680 3.02	942 4.19	1333 5.93	1632 7.26	1885 8.38
5"	SCH. 10 SCH. 40	N/A	N/A	N/A	N/A	942 4.19	1333 5.93	1632 7.26	1885 8.38
4"	SCH. 10 SCH. 40	340 1.51	480 2.14	588 2.62	680 3.02	942 4.19	1333 5.93	1632 7.26	1885 8.38
6"	SCH. 10 SCH. 40	545 2.42	770 3.43	943 4.19	1090 4.85	942 4.19	1333 5.93	1632 7.26	1885 8.38
8"	SCH. 10 SCH. 40	685 3.05	969 4.31	1186 5.28	1370 6.09	942 4.19	1333 5.93	1632 7.26	1885 8.38

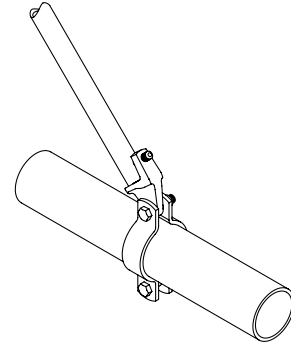
Brace Angles are determined from Vertical.

Sch. 10 & 0.188" Wall Load Ratings may be used for any thicker wall pipe of the same diameter.

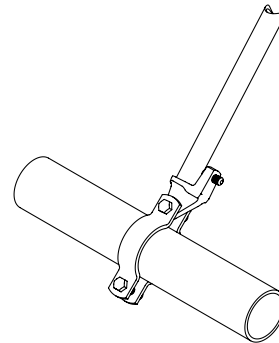
Listed load ratings reduced for angle ranges in accordance with NFPA 13-2019 Table 18.5.2.3.

Load ratings include a minimum safety factor of 2.2 in accordance with NFPA 13-2019 Section A.18.5.2.3.

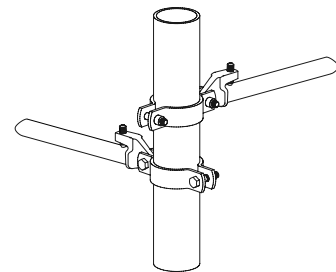
All load ratings may be used for NFPA 13-2016 designs.



Longitudinal Application



Lateral Application



Riser Application



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Method 1 – Connection to Brace Member First

- 1 Slide the brace member over the lower jaw until it contacts the back wall of the brace member attachment fitting.
- 2 Hand tighten the set screw until it contacts the brace member. Continue to torque the set screw until the head breaks off.
- 3 Rotate the brace assembly to the service pipe. Unbolt the back nut & bolt and rotate the clamp halves over the service pipe. Re-assemble the nut and bolt.
- 4 Hand tighten the nuts on both sides of the clamp. Evenly and alternately torque the nut until the head breaks off. It is best practice to tighten the nut at the jaw side first.
- 5 Ensure the brace angle is within the range specified.

Method 2 – Connection to Service Pipe First

- 1 Unbolt the back nut & bolt and rotate the clamp halves over the service pipe. Re-assemble the nut and bolt.
- 2 Hand tighten the nuts on both sides of the clamp. Evenly and alternately torque the nut until the head breaks off. It is best practice to tighten the nut at the jaw side first.
- 3 Slide the brace member over the lower jaw until it contacts the back wall of the brace member attachment fitting.
- 4 Hand tighten the set screw until it contacts the brace member. Continue to torque the set screw until the head breaks off.



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