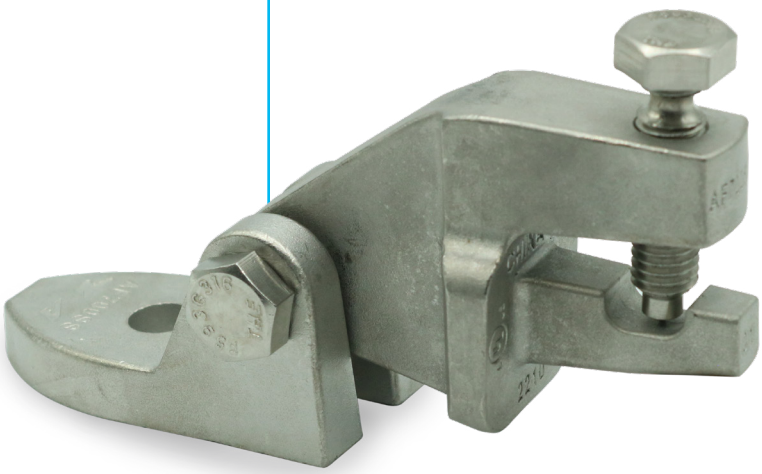
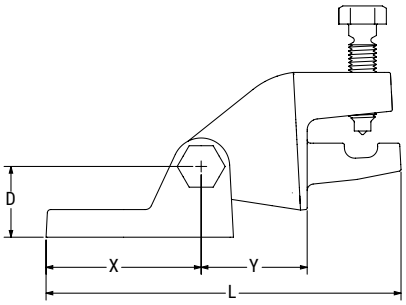
ASC Engineered Solutions

Universal Swivel Attachment – Stainless Steel
Fig. AF700SS



c UL us LISTED FM APPROVED



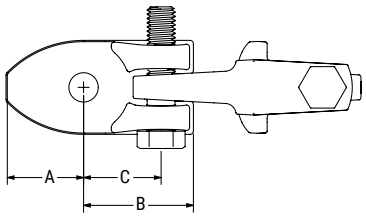


FIG. AF700SS Dimensions and Weight

A	B	C	D	L	X	Y	Weight
In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	lbs/kgs
1.40 35.56	1.983 50.37	1.400 35.56	1.280 32.51	6.40 162.6	2.80 71.1	1.91 48.5	2.25 1.02

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
Brace Member: See Table
Anchors: ½"– ¾" (M12—M18)

Material
316 Stainless Steel with 316 Stainless Steel Hardware

Service
A seismic swivel attachment designed to connect a brace member to the building structure or to a seismic structural attachment. The AF700SS rigidly braces piping systems subjected to horizontal and vertical seismic loads.

Approvals
cULus Listed (ANSI/UL 203a)), FM Approved (FM 1950-23), & FM Tested (FM 1950-23). FM Tested (ANSI/FM 1950-23). Complies with NFPA 13, ASCE 7, IBC, & MSS SP-127 bracing requirements.

Features
- The set screw provides a visual indication that proper installation has been achieved

Ordering
Specify figure number, fastener 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

AFCON
An ASC Engineered Solution

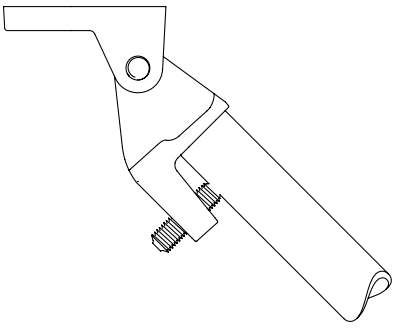
PROJECT INFORMATION	APPROVAL STAMP
Project:	☐ Approved
Address:	☐ Approved as noted
Contractor:	☐ Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

Universal Swivel Attachment – Stainless Steel
Fig. AF700SS

FIG. AF700SS cULus Listing per ANSI/UL 203a (ASD)

Brace Member	Fastener Size	Horizontal Load Rating at Brace Angle			
		30°- 44°	45°- 59°	60°- 90°	Listed
1" – 2" Sch 40 Pipe (DN25 – DN50)	½"- ¾" (M12-M18)	685 lbf (3.05 kN)	969 lbf (4.31 kN)	1186 lbf (5.28 kN)	1370 lbf (6.09 kN)

1) Load ratings may apply to NPFA 13 fastener orientations A, B, C, D, E, F, G, H, or I.
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) See table below for listed brace members.
5) Minimum safety factor of 2.2 in accordance with NFPA 13-2019 Section A.18.5.2.3.

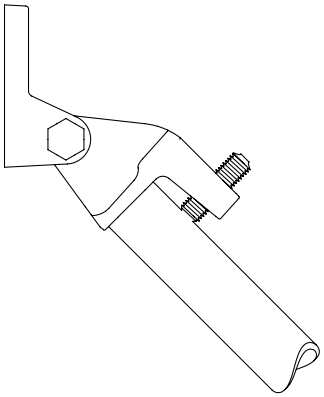


NFPA 13 Orientations A, B, or C

FIG. AF700SS FM Approved (Listing) per FM 1950-23 (ASD)

Brace Member	Fastener Size	Horizontal Load Rating at Brace Angle			
		30°-44°	45°-59°	60°-74°	75°-90°
1" – 2" Sch 40 Pipe (DN25 – DN50)	½"- ¾" (M12-M18)	1200 lbf (5.33 kN)	1710 lbf (7.60 kN)	2150 lbf (9.56 kN)	2490 lbf (11.07 kN)

1) Load ratings may apply to NPFA 13 fastener orientations A, B, C, D, E, F, G, H, or I.
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) See table below for listed brace members.
5) Minimum safety factor of 2.2 in accordance with ANSI/FM 1950-23. Load ratings shown are Allowable Stress Design (ASD) values and require no further reduction for NFPA 13-2019 and later.
6) To convert to LRFD Load Ratings, ASD Load Ratings may be multiplied by a factor of 2.2.

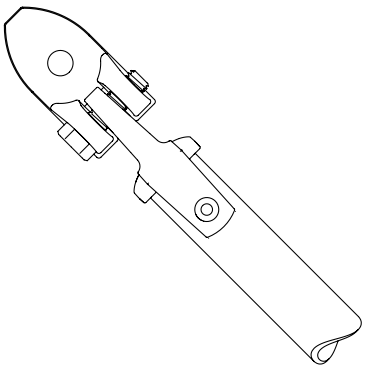


NFPA 13 Orientations D, E, or F

FIG AF700SS Horizontal Prying Factors (Pr) Per NFPA 13: Angles (Deg)

Fastener Orientation	A	B	C	D	E	F	G	H	I
Brace Angle	30°-44°	45°-59°	60°-90°	30°-44°	45°-59°	60°-90°	30°-44°	45°-59°	60°-90°
AF700SS	2.55	1.09	0.91	1.41	1.45	2.00	1.83	1.29	1.06
AF700SS w/ Metal Deck[1]	2.55	1.09	1.14	–	–	–	–	–	–
AF700SS w/ Metal Deck[2]	2.75	1.11	1.14	–	–	–	–	–	–

1) Prying factors reflect the baseplate "B" dimension overhanging the edge of the metal deck. Used for DeWalt anchor loads.
2) Prying factors reflect the baseplate "A" or "B" dimension overhanging the edge of the metal deck. Used for NFPA & Hilti anchor loads.
3) Prying Factors calculated in accordance with NFPA 13-2019 Section A.18.5.12.2.



NFPA 13 Orientations G, H, or I

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Building connections that last™

Universal Swivel Attachment – Stainless Steel
Fig. AF700SS

Method 1 – Connection to Brace Member First

1. Slide the brace member over the lower jaw until it contacts the back wall.
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 up to the fastener or the related seismic structural attachment and connect through the mounting hole.
4. Tighten per the fastener or structural attachment specifications. As with all stainless steel fasteners, anti-galling compound is recommended.
5. Ensure the brace angle is within the range specified.

Notes: The cross bolt should be hand tight. For visual inspection, at least one thread should be exposed.

Method 2 – Connection to Structure First

1. Connect the AF700SS to the fastener or the related seismic structural attachment.
2. Tighten per the fastener or structural attachment specifications.
3. Slide the brace member over the lower jaw until it contacts the back wall.
4. Hand tighten the set screw until it contacts the brace member. Continue to torque the set screw until the head breaks off.
5. Rotate the brace member until the brace angle is within the specified range. As with all stainless steel fasteners, anti-galling compound is recommended.

Notes: The cross bolt should be hand tight. For visual inspection, at least one thread should be exposed..

Structural Attachments, Anchors, & Fasteners Listed and Approved with the AF700SS

Structural Attachment	Structure
DeWalt Stainless Steel Power-Stud	Cracked Concrete Cracked Concrete Filled Metal Deck
Stainless Steel Anchors & Fasteners Per NFPA 13	Cracked Concrete Cracked Concrete Filled Metal Deck Steel Wood Saw Lumber or Glue-Laminated Timbers