

AceClamp Vibration Test Values

Metal standing seam roof systems are constantly affected by thermal movement and vibration actions. Any attachment to the exterior of the panel system should be able to withstand the effects of these actions.

Vibration tests were developed to determine the ability of the AceClamp with maintain the holding power after subjecting the panel assembly to a minimum of 750,000 vibrations.

After the vibration cycle of the prescribed duration was completed, load testing was conducted on the Aceclamp. The value was compared to previous load value results of similar materials and assemblies and the difference was calculated as a percentage loss of holding power.

Clamp Type	Panel Type		Setting Torque in-lbs	Percentage of Vertical Resistance lost after Vibration - (lbs ultimate)	Percentage of Linear Resistance lost after Vibration - (lbs ultimate)
AceClamp SL	Snaplock	.032 Alum	135	0%	5.9%
AceClamp SL	Snaplock	24 ga steel	175	0%	0%
AceClamp ML	Mech Seamed	22 ga steel	175	0%	3.7%
AceClamp ML	Mech Seamed	24 ga steel	175	0%	5.1%
AceClamp ML	Mech Seamed	.032 Alum	135	8.3%	0%
AceClamp ML	Mech Seamed	.040 Alum	135	0%	0%

The values expressed herein are the result of laboratory testing. Appropriate safety factors should always be utilized in design.

1-Dec-11

4806A-11c

Product Information is Subject to Change without Notice.

Technical advice and sales service

SFS intec, Inc.
FasteningSystems
Spring St. & Van Reed Rd.
P.O. Box 6326
Wyomissing, PA 19610

800 234 4533
T 610 376 5751
F 610 376 8551
us.wysales@sfsintec.biz
www.sfsintecusa.com

SFS intec, Inc. - Canada
40 Innovation Drive
Dundas, ON L9H 7P3
T 905 689 5401
www.sfsintec.ca

SFS intec
Turn ideas into reality.