



**Home Innovation**  
RESEARCH LABS™

# Summit Anchor Impact-Load Resistance Test

**Test Report**

*Prepared For*

**SUMMIT ANCHOR CO., INC.**

**January 2, 2019**

Report No. LA1226\_01022019

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## BACKGROUND

Summit Anchor Co., Inc. requested dynamic drop testing on one (1) single-point anchor devices. An agreement was entered November 27, 2018, between Summit Anchor Co. and Home Innovation Research Labs, Inc.

## TEST SPECIMEN

One (1) specimen was submitted directly to Home Innovation by the client. The specimen was not independently or randomly selected for testing. The specimen was not damaged during shipping and was not tampered with after to arrival. No special conditions or preparations were observed by Home Innovation. Specimen was received at Home Innovation on November 28, 2018 and testing was completed November 29, 2018.

## TEST METHODOLOGY AND RESULTS

Testing was conducted, observed and documented by Home Innovation staff. The anchor specimen was installed on Home Innovation's W14x48 steel I-beam test frame per the client's installation instructions. The anchor specimen was bolted to the test frame using four (4) 5/8" dia. B8 Class 2 stainless steel bolts supplied by the client. Dynamic drop testing was performed using a 6-ft long, 3/8" stainless steel cable, supplied by the client, with a 300-lb weight connected to one end and the other end connected to the anchor eye, see Photo 1.



Typical Test Set Up

The test results are based on a visual assessment of observed breaking, cracking or permanent damage.

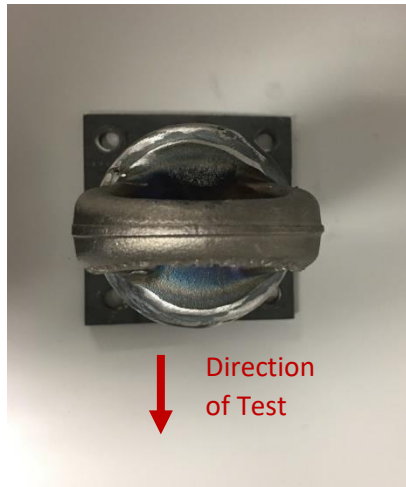
Normal Speed Test

(<https://youtu.be/nC-wG9bf0hY>)

Slow Motion Test

([https://youtu.be/qk\\_6hc0VUjw](https://youtu.be/qk_6hc0VUjw))

Test	Specimen ID	Base Plate Size	Tube Deflection Before Drop Test	Tube Deflection After Drop Test	Observations
1	SM-1-8-12-12- (1035 EYE prototype)	8" x 8" x 1/2"	0.4° Down	4.7° Down	Base plate bent. No weld breakage.
Deflection measured with Husky H1300 digital level Device 000268 - calibrated 10/7/2017.					



**Axial View**



**Side View (as mounted)**



**Top View (as mounted)**

Specimen After Test

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Signed for and on behalf of Home Innovation Research Labs

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