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23 years of excellence

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SnapNrack
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RE: SnapNrack Metal Roof Base

A series of tests were conducted on the SnapNrack Metal Roof Base to determine the attachment strength (normal load and moment) and the integrity of the two rubber seals under varying temperature and pressure conditions. The two tests are described as follows:

Test 1 – Normal Load Testing

The attachment strength testing was performed with a First Article Roof Base sample fixed to the test fixture. The test was conducted to determine the normal load failure point.

Test 2 – Moment Testing

For the moment testing a 2” section of standoff was attached to the First Article Roof Base sample. The moment test was conducted to determine the maximum moment failure point.

After reviewing the results of these tests we have found the Metal Roof Bases produced by SnapNrack to be an acceptable device for securing solar panels to a roof with SnapNrack Series 100 or other similar solar panel mounting systems.”

The results for the three tests are summarized in the table below.

Test 1 Normal Load Test Values (lbs)		Test 2 Moment Test Value (ft-lbs)	
Ultimate	Allowable	Ultimate	Allowable
4,033	1,008	291	73

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