

Maximum Load Test Results - Dual Rack
independent lab tests performed by Anamet, Inc. (www.anametinc.com)

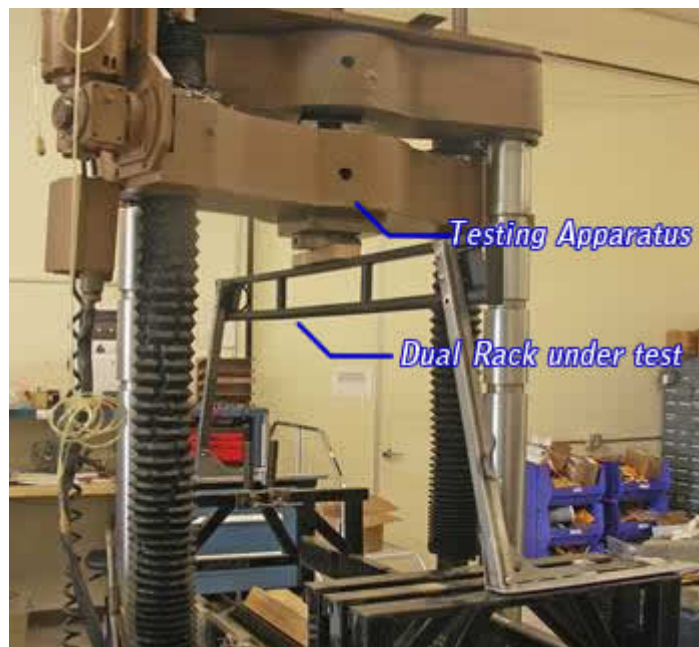
U.S. Rack, Inc., 1-888-877-2257

Tests prove our Truck Racks beat the standard!

TEST APPARATUS AT
ANAMET LABORATORIES
IN HAYWARD, CA TESTING
THE DUAL TRUCK RACK

The Dual Truck Rack shown
here in the load testing
apparatus vastly exceeded
standard requirements

**The DUAL TRUCK RACK,
manufactured by U.S. Rack:**
Load Rating for one section of
this rack is **150 lbs.**
Actual tested material failure
point was about **1,058 lbs.**, over
a 7 to 1
safety margin.



Truck racks are usually tested through static load testing. A commonly accepted industry standard is that any pickup rack should be able to withstand a static load that is at least 3 times the rated load they are assigned. This provides a 3 to 1 safety margin.

U.S. Rack pickup truck racks all exceed this standard and are tested at the Hayward, California facilities of Anamet, Inc. a respected independent materials testing laboratory. Each pickup rack

is tested in a machine that simultaneously measures vertical load applied to the rack as well as material deflection (bending). Since all materials bend a tiny amount when even the slightest load is applied, it is possible to measure the maximum strength of materials by measuring load and deflection.

In the graph below, the curved line represents the actual deflection of the rack as the load is increased. The straight line represents the theoretical deflection of the material. The upper point where the straight line and curved lines diverge is called the “limit of elastic deflection”. Beyond this point the material will fail and the rack will be permanently bent. Anamet labs provided the below data.

WARNING: This data is provided for information only. **DO NOT** ASSUME BECAUSE LABORATORY TEST RESULTS INDICATE THIS PRODUCT WILL CARRY MORE THAN THE LOAD LIMIT THAT YOU CAN SAFELY EXCEED THIS LIMIT IN ACTUAL USE. STATIC LOADS ARE NOT THE SAME AS THE DYNAMIC LOADS OCCURING DURING USE. OTHER FACTORS, INCLUDING ADDITIONAL LOADING CAUSED BY BRAKING, ACCELERATING, TURNING AND TRAVELING ON SLOPED OR BUMPY SURFACES AMPLIFY FORCES IN ALL DIRECTIONS AND CAN LEAD TO MATERIAL FATIGUE OR FAILURE OF THE RACK OR THE TRUCK BED IF PUBLISHED LOAD LIMITS ARE EXCEEDED. **DO NOT EXCEED L OAD RATING.**



SLIGHTLY BENT DUAL RACK SHOWN AFTER THE TEST AT OVER 1,000 lbs.