

QUANT

Quant Report No: 118224
Report Date: 8-17-07

Subject: Load Testing of Nortek ® Levelers.

Tests were performed on two models: #6680 (larger) and #4430 (smaller). All testing was completed using a Satec Universal Testing Machine, Model M120HVL- 1237, 0 to 120,000 load pounds calibrated by Tinius Olsen Calibration Company on May 3, 2007. Calibrations for these machines are recommended annually by the American Society for Testing and Materials.

1. Model #4430.

Load testing was performed under a number of varying conditions and the results recorded.

Condition	Load, lb.	Results
A load of 20,030 lb is applied to the top plate @ a 3 in. nut distance	20,030	The nut is adjustable with a wrench.
A direct, increasing load force is applied to the top plate	56,670	Top plate bent to failure.

2. Model #6680.

Condition	Lo	Load, lb.	Results
A load of 20,000 lb. is applied to the top plate @ an 8 in. nut distance.		20,000	e nut is adjustable with a wrench.
A load of 20,000 lb. is applied to the top plate @ a 6 in. nut distance.		20,080	The nut is adjustable with a wrench.
A load of 12,000 lb. is applied to the top plate.		12,260	The nut is adjusted with a hammer and punch.
A load of 10,000 lb. is applied to the top plate.		10,170	The nut is adjustable with a wrench.
A load of 8,000 lb. is applied to the top plate.		8,225	The nut is adjustable with a wrench.
A load of 5,000 lb. is applied to the top plate.		5,100	The nut is adjustable with a wrench.
A direct, increasing load force is applied to the top plate.		43,190	Top plate bent to failure.

A review of the steel suppliers certifications for the materials (plates, barstock, etc) used in the manufacture of the Nortek ® Levelers indicates that they all meet the requirements for ASTM A36 Structural Steel.



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