

Overhead and Gantry Crane Load Test Requirements
as per
American Nation Standard ASME B30.17-2006

Section “17-2.2.2 Load Test”, states:

(a) New, reinstalled, altered, repaired, and modified cranes ***should**** be load tested by a designated person** prior to initial use as determined by a qualified person***. A qualified person ***shall******* determine if a load test is required.

(b) Load testing of altered, repaired, and modified cranes may be limited to the functions affected by the alteration, repair, or modification, as determined by a qualified person.

(c) If a load test is conducted; the load ***shall*** be no less than 100% of the rated load of the crane or more than 125% of the rated load of the crane, unless otherwise recommended by the manufacturer or a qualified person.

(d) If a load test is conducted, the person conducting the load test ***shall*** prepare a written report of the load sustained during the test and the operations performed during the test. Reports ***shall*** be placed on file.

(e) If a load test is performed, operations ***shall*** be performed as outlined below or as modified by a qualified person.

(1) Hoist the test load a distance to assure that the load is supported by the crane and held by the hoist brake(s).

NOTE: Hoists shall be tested under the provisions of ASME [\(B30.16.2.2.2\)](#)

(2) Transport the test load by means of the trolley for the full length of the bridge.

(3) Transport the test load by means of the bridge for the full length of the runway in one direction with the trolley as close to the extreme right-hand end of the crane as is practical, and in the other direction with the trolley as close to the left-hand end of the crane as is practical.

(4) Lower the test load and stop and hold the test load with the brake(s).

(*) (**) (***) (****) See CraneBuzz [“Terminology” page](#), for definition of these references