

WAC 296-304-17005 Unit proof tests—Cranes and gear accessory thereto. (1) Except as noted in WAC 296-304-17005(5), cranes and other hoisting machines, together with gear accessory thereto, must be tested with a proof load which must exceed the safe working load as follows:

Safe working load	Proof load
Up to 20 tons.....	25 percent in excess.
20-50 tons.....	5 tons in excess.
Over 50 tons.....	10 percent in excess.

(2) The proof load must be lifted and swung as far as possible in both directions. If the jib or boom of the crane has a variable radius, it must be tested with proof loads, as specified in WAC 296-304-17005(1), at the maximum and minimum radius. In the case of hydraulic cranes, when owing to the limitation of pressure it is impossible to lift a load 25 percent in excess of the safe working load, it will be sufficient to lift the greatest possible load.

(3) Initial proof tests of new cranes must be made only with a dead load as specified in WAC 296-304-17005(2).

(4) Initial tests of cranes which have been in service, quadrennial tests, or tests associated with replacements or renewals, may be made with spring or hydraulic balances where dead loads are not reasonably available, under the following conditions:

(a) Tests must be conducted at maximum, minimum, and intermediate radius points, as well as such points in the arc of rotation as meet with the approval of the accredited person.

(b) An additional test must be conducted with partial load and must include all functions and movements contemplated in the use of the crane.

(5) In cases where shore-type cranes are mounted permanently aboard barges, the requirements of WAC 296-304-170 through 296-304-17023 with respect to unit proof tests and examinations must not apply and the applicable requirements of WAC 296-304-200 through 296-304-20025 must be adhered to with respect to unit proof tests and examinations.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 17-18-075, § 296-304-17005, filed 9/5/17, effective 10/6/17; Order 74-25, § 296-304-17005, filed 5/7/74.]