

Construction Hoist Test System

The use of water weights for proof load testing produce significant savings when certifying construction hoists.

Also known as a Man-Lift, Buckhoist, temporary elevator, Alimak or construction elevator, this type of hoist is commonly used on large scale construction projects, such as high-rise buildings or major hospitals.

Specifications and installations are generally governed by **OSHA 1926.552 and ANSI 10.4 standards**. The requirements include a drop test as part of the final inspection and certification.

During testing the hoist car is loaded with its specified payload, raised up the mast a specified height and released. The emergency braking system then engages and stops the car.

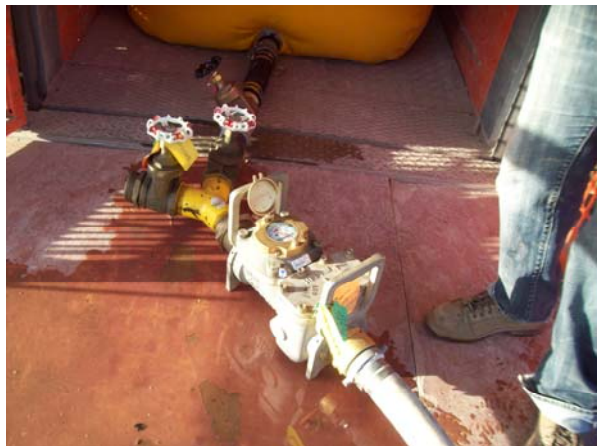
Traditionally tested using solid weights, the process is very cumbersome requiring the use of ancillary lifting equipment for hauling and staging the weights for testing.

With Water Weights, the amount of water supplied to the bag is controlled from a **manifold assembly running through a certified flow meter to achieve a variety of weights without having to load and unload the hoist car.**

The bags when empty are packaged to a very light and small size. **No support lifting equipment is required shaving a significant part of the cost, time, and labor when transporting and testing.**

After the test, the bag is simply drained using a pump and the water channeled to wherever required.

Water Weights, the originators of the water bag, provide specialist proof load testing solutions for cranes, general lifting equipment and structures. Our core commitment is to provide load testing products and services to the highest standards.



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