Unique Group

BOAT HOIST TESTING + LOAD MEASURING SYSTEMS

Buoyancy + Water Weights



Unique Group's Water Weights, originators of the water bag, provide specialist proof load testing equipment for lifting equipment and structures. Water Weights water filled proof load bags are a unique and simple product specifically designed to provide a test load instead of traditional solid weights for all forms of testing. This highly engineered and certified system allows a safe, practical and economical method for load testing.

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LOAD LINKS

Buoyancy + Water Weights

The development of Water Weights bags has increased greatly the practicality, economy and safety of providing proof load testing in many applications. In addition, certain proof load testing situations only become feasible with the use of Water Weights.

Safe

The bags have a physically proven factor of safety in excess of 6:1 and are proof load tested to over 2:1 prior to being taken into service. When performing load tests, gradual application of the load allows many problems to be identified prior to attaining maximum load.

Economical

Water Weights bags weigh less than 2% of achievable load allowing for considerable savings in transport, storage and labor costs.

Flexible

A wide range of different sizes of Water Weights bags is available. Bags can be hung in combinations to achieve large loads. Specialist 'low headroom' bags are available for testing where headroom is restricted. With bags weighing only some 2% of achievable load, floor loading restrictions are rarely a problem. Bags are ideally suited to inaccessible lifting points. A variety of add-on options is available to meet specialist requirements such as extended drainage trunks, drain valves and manifold control systems.

Simple

Controlled filling and emptying is simple. The load is measured accurately with a certified load cell or flowmeter.

Certified

All Water Weights bags are certified and type approved by the American Bureau of Shipping.
Water Weights is approved to ISO 9001:2015, ISO 45001:2018 and ISO 14001:2015.

Load Measurement Systems

With over 25 years experience in the industry, we have extensive knowledge of customer requirements and desired functionality.
Building on this experience, we design and manufacture crane load monitoring systems that are high quality, reliable, easy to install, calibrate, and maintain.

We engineer systems for

- Real time load measurement during lifting operations
- Load indication via multiple displays
- Overload protection
- Data logging for tracking of lifting information







