

# **WaterWeights**

safety through innovation



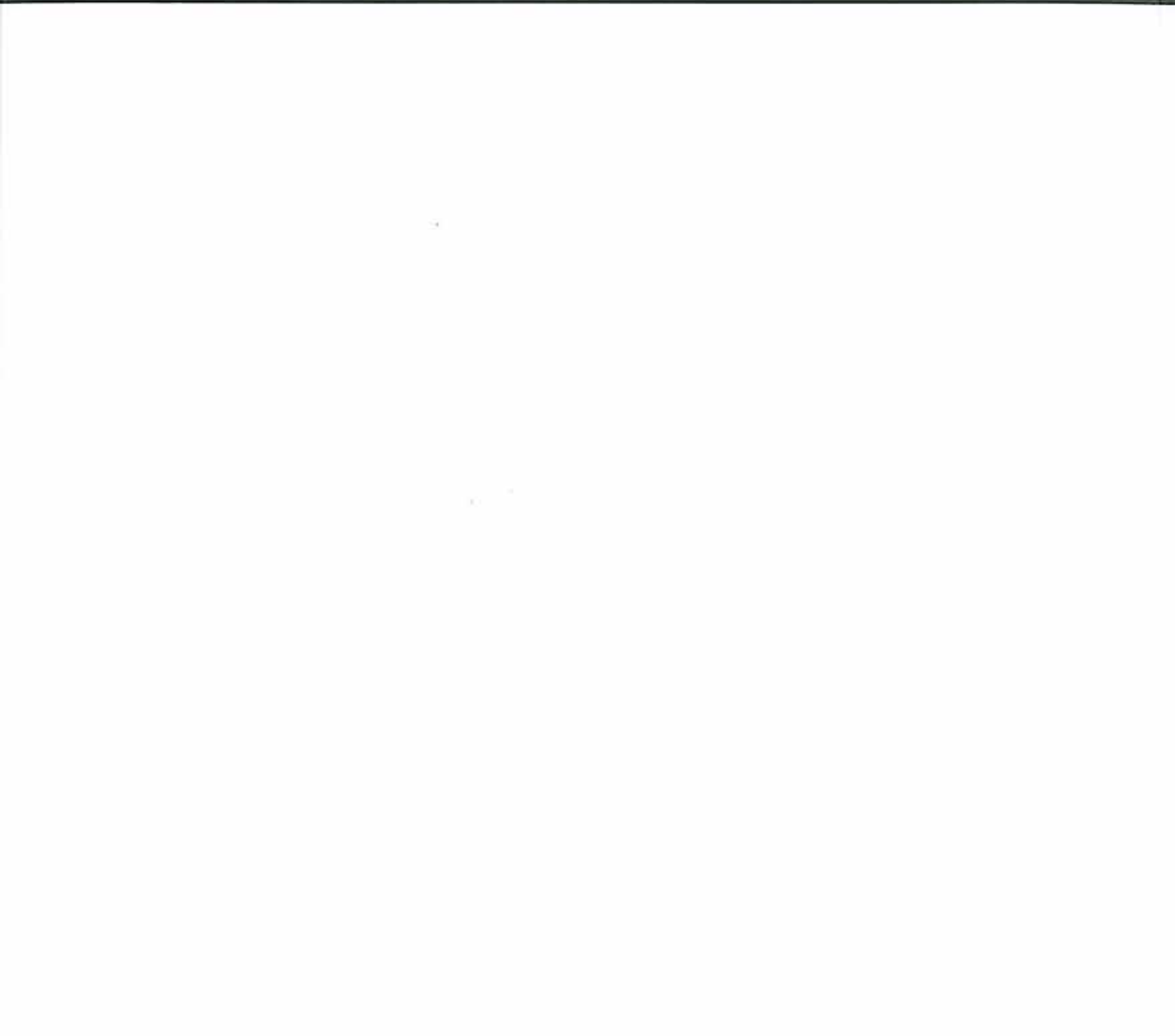


Water Weights water filled proof load bags are a unique and simple product specifically designed to provide a test load instead of traditional solid weights. This highly engineered and certified system allows a safe, practical and economical method for load testing.

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.

The Company has built on and expanded its expertise to encompass a wide variety of associated services and engineering project management. Water Weights' customer base now includes marine, industrial and traditional applications, both on and offshore.

Water Weights' core commitment remains the provision of products and services to the highest standards.



**In the majority of countries proof load testing of lifting equipment is a mandatory requirement. Such requirements are legal minimums and many companies or industries choose to set more rigorous standards.**



## APPLICATIONS

### Marine

**Offshore installations, ship building and repair companies, shipping companies and docks & harbours use Water Weights for the following testing applications:**

- cranes
- davits
- derricks
- winches
- inaccessible lifting points deemed impossible by any other method
- lifeboats
- ramps and lifts
- pad eyes

### Industrial

**Power stations, refineries, factories and crane companies amongst others use Water Weights bags for testing in a wide variety of applications including:**

- overhead cranes
- beams
- gantries
- elevators

### Engineering

**Specialised Water Weights products and services are used by structural engineers, construction companies, naval architects & engineers and logistics management companies for:**

- floor and bridge tests
- ballast and counterweight
- water and liquid storage
- tanks and liners
- load measurement
- cargo manifesting and data logging

## SAFE

Water Weights water bags are certified in accordance with UK Health and Safety Executive requirements. 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 labour 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

Water Weights bags are very light, so aiding handling. Bags are fully rigged and ready to hang and fill. Controlled filling and emptying is simple. The load is measured accurately with a certified loadcell or flowmeter.

## CERTIFIED

All Water Weights bags are certified to the UK Health & Safety Executive Safety Requirements and the American Bureau of Shipping. Water Weights is approved to ISO 9001:2008 OHSAS 18001:2007.

# Water Weights



## Water Weights Water Filled Proof Load Bags

Capacity		Size	Weight	Overall size when filled	
*Tonnes	Kgs	Empty & Rolled in metres	*kgs	Height in metres	Diameter in metres
1	1000	0.9 x 0.56 x 0.56	23	2.3	1.2
2	2000	1 x 0.6 x 0.6	45	3.5	1.6
2L	2000	1 x 0.6 x 0.6	40	2.1	1.9
5	5000	1.07 x 0.7 x 0.7	100	4.6	2.0
5L	5000	1.07 x 0.7 x 0.7	95	2.5	2.7
10	10000	1.1 x 0.8 x 0.8	135	5.8	2.5
12L	12000	1.2 x 0.8 x 0.8	140	4.0	3.0
12.5L	12500	1.2 x 0.8 x 0.8	140	4.25	3.22
20	20000	1.1 x 1 x 1	230	5.8	3.5
35	35000	1.7 x 1.2 x 1.2	340	7.0	4.2

\*Note: no more than 3 bags should be slung from a single point. Dimensions subject to change. Bags filled with less than their capacity will increase in length and reduce in diameter. Bags should not be used in wind speed greater than 25 knots.

## Water Weights Bridge/ Platform/ Walkways/ Floor & Slab/ Testing Bags \*Denotes enclosed bags

Capacity	1 ton*	5 ton*	8 ton*	16 ton*	25 ton	35 ton	100 ton
Length Filled	3.0	2.5	3.0	8.0	4.15	-	8.4
Height Filled	0.3	0.95	0.9	1.0	2.5	1.5	1.8
Width Filled	1.3	2.5	2.8	2.0	4.15	-	8.4
Base Size Round Dams Dia.	-	-	-	-	-	5.85	-
When Empty & Rolled Length	0.5	0.75	1.0	1.4	1.5	1.5	2.75
Width Empty	0.3	0.8	0.8	0.45	0.9	0.95	1.3
Height Empty	0.3	0.8	0.8	0.45	0.9	0.95	1.0
Empty Weight (Kgs)	10	20	40	100	55	60	330

The Water Weights international group of companies and approved operators offer a worldwide network of services covering twenty-seven countries on five continents. Water Weights Inc operates six depots across the USA.

Water Weights Technical Staff will advise on all practical and specific issues relating to their use.



# safety through innovation



Water Weights, Tern Place, Bridge of Don, Aberdeen AB23 8JX United Kingdom  
**Tel** +44 (0)1224 820022 **Fax** +44 (0)1224 824808 **Web** [www.waterweights.com](http://www.waterweights.com)

Water Weights, 7 Vanguard Road, Gapton Hall Industrial Estate, Great Yarmouth NR31 0NT United Kingdom  
**Tel** +44 (0)1493 442591 **Fax** +44 (0)1493 442535 **Web** [www.waterweights.com](http://www.waterweights.com)

Water Weights, Unit D1, Portfield Industrial Estate, Nevil Shute Road, Portsmouth PO3 5RX United Kingdom  
**Tel** +44 (0)2392 655680 **Fax** +44 (0)12392 699813 **Web** [www.waterweights.com](http://www.waterweights.com)

Water Weights Europe bv, Leeghwaterstraat 23a, 3364 AE Sliedrecht, The Netherlands  
**Tel** +31 (0)184 430190 **Fax** +31 (0)184 421900 **Web** [www.waterweights.nl](http://www.waterweights.nl)