

### Crane / Beam / Davit / Derrick and 'A' Frame Testing



Water Weights water filled proof load bags are a unique, safe and simple product specifically designed to provide a test load instead of traditional solid weights.

- Water bags are certified in accordance with 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.
- Gradual filling of the bag allows any problem to be identified prior to attaining maximum load.
- Water Weights bags weigh less than 2% of achievable load allowing for considerable savings in transport, storage and labour costs.





## Product Report



Specific examples of applications include:

- Ensuring the structural integrity of the biomes at the Eden Project during construction.
- Using water bags as a counterbalance on a split bridge in Holland.
- Testing the winches, hooks and a lifting beam for NASA to enable the safe replacement of a new signalling cone at the centre of a satellite.
- The largest ever test using Water Weights' water bags was a 660 tonne load applied to a barge crane at the Petrojet Oil Yard in Alexandria, Egypt.



### The Water Weights extensive range of equipment is available for hire and purchase

Capacity Tonnes	Capacity - L	Size - empty and rolled in m	Weight in kilos	Size when full - height in m	Size when full - diam in m
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 three bags should be slung from a single point. Dimensions are 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.

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