

# Water Weights



## Crane Load Application & Testing

### **Revolutionizing the industry with the introduction of the water filled proof load bag.**

Water Weights load test bags are a unique product for providing a load in place of traditional dead weights for all forms of load testing. The highly certified system allows safe, practical and economical use of water as a weight for load testing.

Water Weights bags are used for suspended or deck loads using any number of bags for loads up to 1000 tons. Bags are made in standard sizes, but special bags can be manufactured to any practical shape of size.

Water weights bags are fully certified and tested in accordance with government requirements and regulations. Each bag has a minimum factor of safety in excess of 6:1 and physically proof load tested to a minimum of twice it's rated capacity before being placed in service. Water Weights is approved to ISO 9001:2000



During transportation and staging, each bag including load cell, weighs approximately 1.5 % of its rated load keeping freight costs, storage space, floor loading and especially manpower to a minimum.

The load is always measured with a certified load cell or flow meter allowing for +/- 1 to 2% accuracy where required.



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Water Weights bags are available in a wide range of sizes and can be hung in combinations to achieve large loads. Specialist 'low headroom' bags are available for testing where headroom is restricted. Bags are ideally suited to normally inaccessible lifting points. A variety of add-on options are available to meet specialist requirements such as extended drainage trunks, drain valves and manifold control systems.

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

### Metric Measurements

Capacity (kgs)	Size (Empty & Rolled in Meters)	Weight (Empty in kgs)	Overall Size When Filled	
			Height in Meters	Diameter in Meters
1000	0.9 × 0.56 × 0.56	23	2.3	1.2
2000	1 × 0.6 × 0.6	45	3.5	1.6
3000	1.03 × 0.6 × 0.6	65	4.0	1.9
5000	1.07 × 0.7 × 0.7	100	4.6	2.0
10000	1.1 × 0.8 × 0.8	135	5.8	2.5
20000	1.1 × 1 × 1	230	5.8	3.5
35000	1.7 × 1.2 × 1.2	340	7.0	4.2

### U.S. Measurements

Capacity		Size (Empty & Rolled in Feet)	Weight (Empty in lbs)	Overall Size When Filled	
lbs	Tons			Height in Feet	Diameter in Feet
2204	1.1	3 × 2 × 2	55	7.5	4
4408	2.2	3.5 × 2 × 2	100	12	5.5
6612	3.3	3.5 × 2 × 2	145	13.5	6.5
11020	5.5	4 × 2.5 × 2.5	220	15	7
22040	11	4 × 3 × 3	300	19	8.5
44080	22	4 × 3.5 × 3.5	510	19	12
77200	38.6	6 × 4 × 4	750	23	14