



Bridge/Platform/Walkways/Floor & Slab Testing

Water Weights provides specialist products, services and project management for verifying the structural integrity of buildings, bridges, elevators, loading ramps, gangways and decks.

The Water Weights range of flexidams and flexitainers, allows uniform surface loadings to be applied.



- ADVANTAGES OVER TRADITIONAL SOLID WEIGHTS INCLUDE EASE OF HANDLING AND POSITIONING ON SITE AND VERY LOW CARRIAGE COSTS.
- LOADING IS MEASURED BY MEANS OF A CALIBRATED FLOWMETER TO GIVE ACCURACY +/-2% OR BETTER.
- BY USING OUR SIMPLE MANIFOLD ARRANGEMENT SEVERAL UNITS CAN BE FILLED SIMULTANEOUSLY.
- GRADUAL APPLICATION OF LOAD UNDER TEST CONDITIONS IS ESSENTIAL. THIS IS MORE EASILY ACHIEVED USING WATER WEIGHTS BAGS THAN SOLID WEIGHTS.



PRODUCT REPORT



Specific examples of applications include:

- roll-on, roll-off ferry ramps have been tested ranging from 70 to 700 tonnes.
- ballasting arrangements for ship's conversions up to 300 tonnes.
- general floor testing applications to verify structural integrity on renovation, change of use or suspected structural damage, eg 130 tonnes to an educational establishment and 40 tonnes to a historical monument
- passenger and freight elevator load testing



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

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

The above specifications apply to the standard range. A wide variety of bags can be designed, engineered and manufactured to meet specific needs or applications.

Bags should never be loaded beyond their rated capacity.

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