



Unique Group

Load Testing Solutions

PRODUCT REPORT

Bridge/Platform/Walkways/Floor & Slab Testing



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Product Report

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® water filled proof load bags than solid weights.

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, e.g. 130 tonnes to an educational establishment and 40 tonnes to a historical monument.



General Type No	Capacity		When stored / transported				When in use	
	M. tonne	Net Wt in lbs	L x W x H in m	L x W x H in ft	Empty Wt in Kg	Empty Wt in lbs	L x W x H in m	L x W x H in ft
MB 1000	1	1000	0.50 x 0.30 x 0.30	1.60 x 1.00 x 1.00	10	22	3.0 x 1.3 x 0.3	9.8 x 4.6 x 1.0
FT 2000	2	2000	0.60 x 0.40 x 0.40	1.95 x 1.30 x 1.30	16	35	3.0 x 1.4 x 0.5	9.8 x 4.6 x 1.6
FT 04	4	4000	0.80 x 0.40 x 0.40	2.60 x 4.30 x 1.30	40	88	3.5 x 1.5 x 0.8	11.5 x 4.9 x 2.6
FT 5000	5	5000	0.75 x 0.80 x 0.80	2.50 x 2.60 x 2.60	44	97	2.5 x 2.5 x 0.95	8.2 x 8.2 x 3.1
FT 8000	8	8000	1.00 x 0.80 x 0.80	3.30 x 2.60 x 2.60	60	110	4.0 x 2.0 x 1.0	13.0 x 7.0 x 3.0
FT 16	16	16000	1.40 x 0.45 x 0.45	4.60 x 1.50 x 1.50	90	198	8.0 x 2.0 x 1.0	26.2 x 6.6 x 3.3
FD 25	25	25000	1.50 x 0.90 x 0.90	5.00 x 3.00 x 4.00	25	122	4.2 x 4.2 x 2.5	13.6 x 4.15 x 8.2
FD 35	35	35000	1.50 x 1.00 x 1.00	5.00 x 3.00 x 3.00	35	132	5.6 x null x 1.5	null x null x 5.0
FD 100	100	100000	2.80 x 1.30 x 1.00	9.00 x 4.30 x 3.30	100	728	8.4 x 8.4 x 1.8	27.6 x 27.6 x 6.0

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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Unique Group's Buoyancy & Ballast products are available for hire or purchase from more than 20 other worldwide locations via our network of independent partners. Please contact us for more details.