

The **Ubag Type B** includes a number of different size and weight two-cylinder and multi-cylinder shaped bags. These are part of the Ubag system that includes Subsea Construction and Support Bags that can be used for a number of applications, and they are available in a variety of geometries, sizes, weights, and configurations, that are installed separately or in combinations.

- The two and multi-cylinder Ubags are available in standardized width / height combinations. The length and weight are variable. See datasheet [page 2](#) for size and weight combinations.
- Special size multi cylinder bags will be available on request. See picture below of a large size test bag / mattress placed on a 20" pipe.



Application & Particulars

- Applications for Ubags are stabilization, protection, construction, support, separation, weight or counterweight, levelling or levelling adjustment, rock dump stabilization or side support, landing support, scour protection or prevention.
- Two cylinder and multi cylinder bags will act as a mattress and cover a larger area, either placed directly on the seabed, or placed over other equipment such as cables, flowlines, umbilical's, etc. for protection or other purposes.
- Deployed and installed without the use of lift spreader or frames.
- Filled with sand or gravel, the Ubags are less likely to damage subsea equipment in case of an accidental contact.
- The tough Ubag fabric will withstand rough handling and impact with other objects without being tear open. Furthermore, the Ubag fabric accommodate sand erosion caused by seabed current considerable better than standard sandbags.
- In case of an intervention, the Ubag B can easily be lifted to the side, and thereby give required access to equipment.
- In case of future recovery, an ROV can cut the Ubag B open, and sand or gravel is thereby left on the seabed.



Construction

- Made from high strength, tear and wear resistant three layer polypropylene laminated fabric. The fabric permits water and air to penetrate, not sand contained inside the bags.
- Smaller Ubags, less than 200kg dry weight, are provided with ROV handling loops. Larger Ubags are provided with integrated webbing strap loops or webbing sling (dependent on weight) for single point lifting.
- The Ubags are filled either with gravel, sand or with standard 25kg sandbags.
- The bags are provided with heavy-duty industrial type Velcro as the primary closing feature. Additionally they are provided with straps/loops for secondary closing.
- Unlimited surface / subsea lifetime provided that it is not exposed to UV radiation (i.e. sunlight) over a long period (1 year +).

Contacts

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Ubag B, Two and Multi Cylinder Bag

Ubag Subsea Construction and Support Bag System

Doc. No.: IN-UDE-180-DS-062, Rev. 01

Ubag Type B2 - Two Cylinder Bag

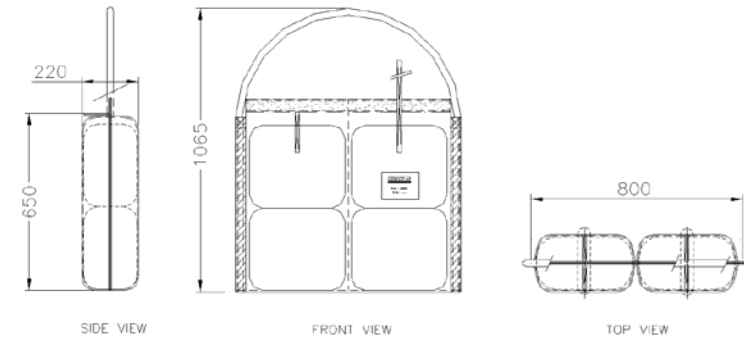
Ubag B1 Types	Length (m)	Width (m)	Height (m)	Dry Wgt. (kg)	Seawater Wgt. (kg)
B2 - 100	0.65	0.8	0.22	100	61
B2 - 150	0.95	0.8	0.22	150	92
B2 - 200	1.25	0.8	0.22	200	122
B2 - 250	1.55	0.8	0.22	250	153
B2 - 300	1.85	0.8	0.22	300	183
B2 - 350	2.15	0.8	0.22	350	214
B2 - 400	2.45	0.8	0.22	400	244
B2 - 450	2.75	0.8	0.22	450	275
B2 - 500	3.05	0.8	0.22	500	305

Cylinders are positioned vertical relative to the lifting direction.

Dimensions for Ubag laying on the seabed.

Other lengths / sizes / weights are available on request.

UBAG TYPE B2-100



DIMENSIONS FOR UBAG LAYING SIDEWAY ON THE SEABED (I.E. NOT STANDING VERTICAL).

Ubag Types B3-...-B10 - Multi Cylinder Bag (3-...-10 Cylinders)

Ubag Types	Length (m)	Width (m)	Height (m)	Dry Wgt. (kg)	Seawater Wgt. (kg)
B3 -450	1.15	2.0	0.22	450	275
B4 -600	1.50	2.0	0.22	600	366
B5 -750	2.15	2.0	0.22	750	458
B6 -900	2.50	2.0	0.22	900	549
B7 -1050	3.15	2.0	0.22	1050	641
B8 -1200	3.50	2.0	0.22	1200	732
B9 -1350	4.15	2.0	0.22	1350	824
B10 -1500	4.50	2.0	0.22	1500	915

Cylinders are positioned horizontal relative to the lifting direction.

Dimensions for Ubag laying on the seabed.

Other lengths / sizes / weights are available on request.

UBAG TYPE B3-...-B10

ILLUSTRATION TO BE INCLUDED

DIMENSIONS FOR UBAG LAYING SIDEWAY ON THE SEABED (I.E. NOT STANDING VERTICAL).