

## Subsea Protection Systems Product Flysheet

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# Subsea protection: SPS Offshore Bulk Bags / FIBC



The safe and accurate placement of sand, gravel and grout materials for subsea support, remediation and protection is crucial. SPS is a world leader in the supply of subsea protection products and can meet your needs anywhere in the world.

SPS offshore bulk / FIBC (Flexible Intermediate Bulk Container) bags are purpose-made for offshore and subsea use. They can be filled directly with loose material, or packed with individual 25kg subsea bags. They are constructed from 250g/m<sup>2</sup> WPP woven polypropylene fabric. Each bag comes with 4x 78cm lifting hoops, sewn Polypropylene yarn overlock and safety stitch, skirt top with tie (70+30 gsm fabric) and 2x recovery loops to opposite bottom corners.



Bulk bags are also available as subsea 'drop bags', with underside release mechanism for safe and accurate placement of materials. The drop discharge is via a 70cm opening on the underside of the bag (from 200+30 gsm WPP fabric). This can be either diver or ROV-operated via two deployment loops connected to corner seams.

# Subsea Protection Systems Technical Factsheet

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## Technical specifications

- Computer-assisted batching of dry materials means guaranteed accuracy of mix proportions and accurate weights for SPS FIBC bags.
- All raw materials and end products are subject to regular quality control procedures and testing.
- Manufacturing and materials comply with the following standards :
  - BS EN ISO 9001:2008 Quality System
  - BS EN 13139:2002 aggregates / mortar
  - BS EN 197-1:2011 Cement
- Supplied in 25kg bags, waterproof lined “subsea use” 1000kg EFIBCA bags with safety factor of 10:1, 2Te safety factor of 5:1
- Approximate filled sack size - 450 x 250 x 125mm
- Sewn L seam made from 200gm uncoated fabric with UV protection up to 150KLhs direct sunlight before 20% reduction in strength
- HD tie tape sown into side seam 15cm from the top mouth of the sack to facilitate tying off

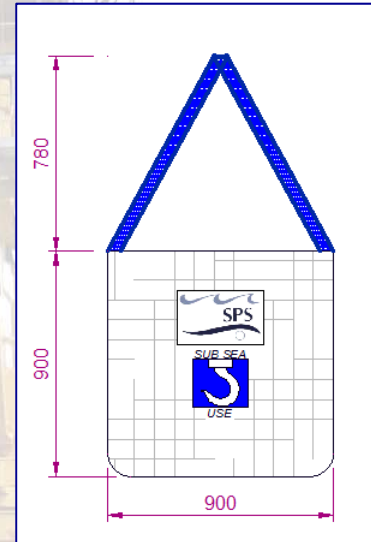


Table 1: technical information

Lift Capacity	Dimensions (cm)			Lift Safety Factor
	L	W	H	
1 Tonne	90	90	90	10:1
2 Tonne	90	90	180	5:1