

HDPE Specification Datasheet



1Te Rock Bag Filter Unit

GeoRock Rock Bag Filter Units are constructed using multiple netting layers, vertical ropes and lifting ropes with or without a lift ring. This configuration ensures robust performance under standard and offshore lifting conditions. We work closely with our manufacturing partners to ensure our netting and ropes maintain a full chain of custody and quality assurance for both our Rock Bag Filter Units and DNV 2.7-1 Type Approved lifting rings which are batch tested at each run.

Rock Bag / Net Details	Rock Bag / Net Specifications / Testing
<ul style="list-style-type: none"> • Netting: 2 Layers • Arc Length: 2.08 m • Vertical Ropes: 4No. x 6mm • Lifting Loops: 4No. loops, 10mm rope • Total Rope Legs = 8No. 	<ul style="list-style-type: none"> • >5Te WLL Masterlink (DNV 2.7-1 Type Approved) • Wide Width Tensile Strength (kN/m) and Elongation (ISO :10319-2015) • UV Resistance by Xenon arc lamp for 500 hours (EN-12224:2001) • Resistance to Hydrolysis (EN 12447 : 2021) Tensile Strength (kN/m) after hydrolysis

Rock grading may vary the bag sizes by +/- 10%				
Average Weight	Rock Grading	Average Height	Average Ø	m3
1Te	50 - 100mm	0.4m – 0.5m	1.6m – 1.8m	0.65



Onshore Civil & Infrastructure Environments – We supply high-tensile, galvanized steel lifting rings specifically engineered for the rapid deployment of GeoRock systems in land-based construction. Designed to interface seamlessly with standard site machinery, these rings facilitate efficient single-point lifting while maintaining a robust Factor of Safety for protecting critical infrastructure like bridges, embankments, and culverts.



Offshore Marine Environments – We can supply DNV 2.7-1 Type Approved Masterlinks which is recognised and specified globally by operators, contractors and rigging shops for use in offshore rigging and DNV 2.7-1 container lifting sets. Manufactured from grade 8 triple alloy steel, the HA master link OS+ range is specially engineered for use in harsh offshore environments.

