

# CIRTEX ROCK BAGS

## TECHNICAL DATA SHEET

ISSUE NUMBER	01
DATE	July 2023
ISO NUMBER	G 137 003

### MATERIALS

The net bag material is a virgin polyester. It is ideal for hydraulic works as it is rust-proof, non-corrosive, rot proof, and weather resistant. It can withstand exposure to ultraviolet, salt water and fresh water.

The rope is a 3-ply polyester rope. The weave structure is a raschel mesh which prevents the mesh thread from unraveling if there is a break.

The net bag is a double layer of mesh net bags on the 2T and 4T sizes and a quadruple layer of mesh net bags on the 8T supported with lifting and neck tying ropes (wrap ropes).

The net bags are filled with stone or other acceptable material corresponding to the correct size.

Polyester net bag, filled with stone can be installed adjacent to another polyester net bag to achieve desired area coverage. Wood or metal anchors can hold separate polyester net bags together. Can be stacked for multiple layers.

### TECHNICAL SPECIFICATION

ROCK BAG	Mesh (mm)	Recommended Rock Sizes (mm)	Height (meter)	Diameter (meter)	Volume (cubic meter)	Weight (empty with ring) KG	Resistance to currents (no movement)	Resistance to currents M/S (no movement) Grouped
2 ton	25 mm	50 - 200	0.4	1.9	1.13	6.0	3.2	4.7
4 ton	25 mm	50 - 200	0.6	2.4	2.71	12.5	3.6	5.3
8 ton	50 mm	75 - 200	0.85	3.0	6.00	39.0	4.0	5.9

### KEY POLYESTER NET BAG PERFORMANCE PROPERTIES

Single Polyester Net Tensile Strength	24 or 1,675	kN/m or lb./ft.	ASTM D4595
Single Polyester Net Static Puncture Strength	1.6 or 359.7	kN or lbs-Force	ASTM D6241
Single Polyester Net Tearing Strength	0.9 or 202.3	kN or lbs-Force	ASTM D2261
Elongation at Maximum Load	30	Percent	ASTM D4595
Mass/unit area	325	grams/m2	ASTM 2261
Iron Ring Tensile Strength	>5.5	Metric Ton	Lab & Factory Test
Loaded hold test (2T/4T/8T)	15	Minutes	Factory Test
Estimate useful life	30	Years	Material supplier

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