



marine aggregates



Arco Beck

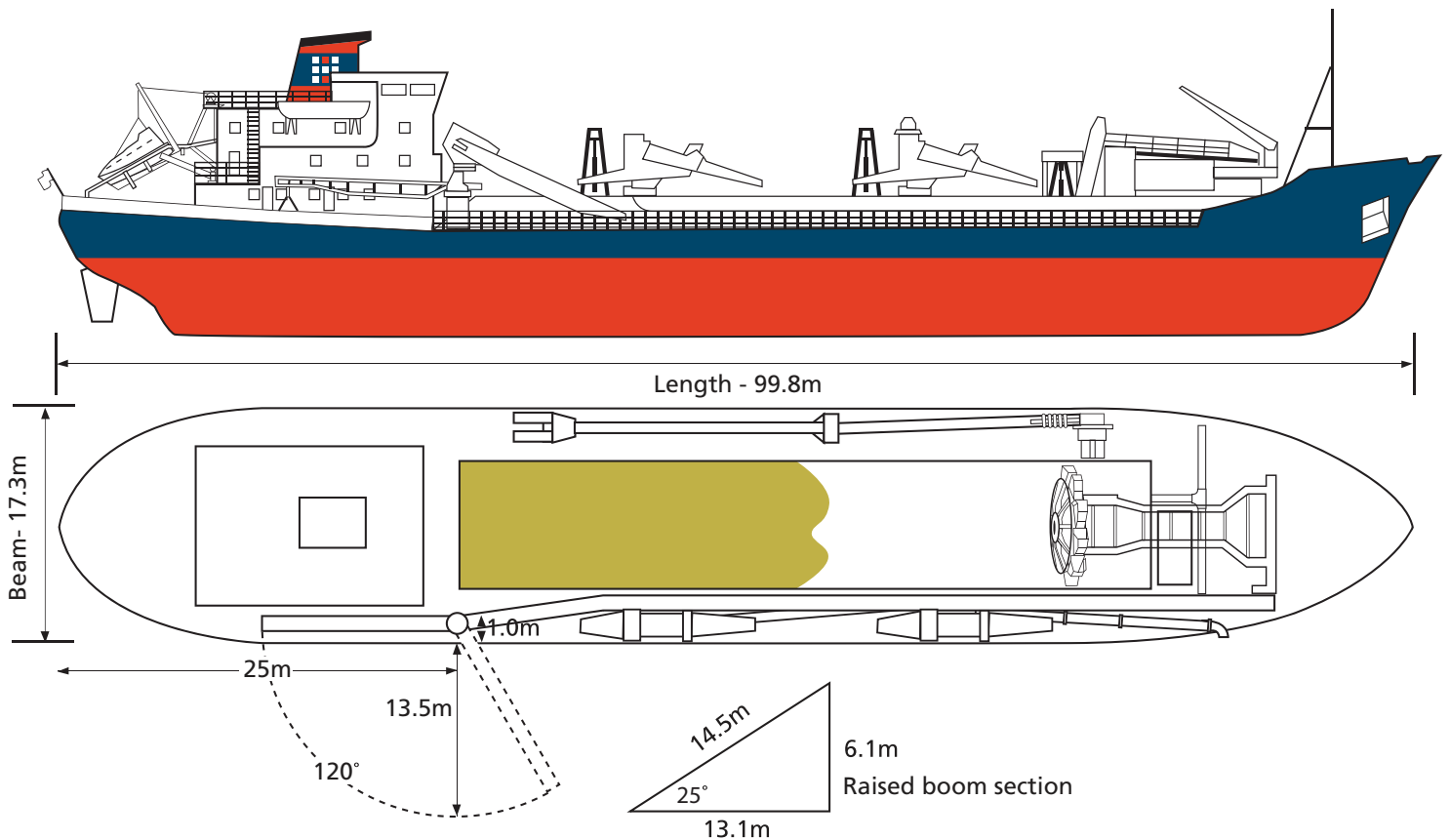
Hanson Aggregate Marine is Europe's largest producer of marine-dredged sand and gravel, supplying to a network of wharves in the UK and mainland Europe.

Hanson operates a fleet of purpose-built trailing suction hopper dredgers, which vary in size from 1,300 to 5,500 gross tonnes and are designed to

extract sand and gravel from the seabed at depths of up to 50 metres.

Cargoes are dredged from government-licensed areas 24 hours a day, 365 days a year. All vessels are fitted with self-discharging systems which can deliver dry material onto wharves at rates of 600 to 2,600 tonnes per hour.

Arco Beck (B class) trailing suction hopper dredger



Length (m)	99.8
Beam (m)	17.0
Draught (m)	6.5
Air Draught (m)	30.9
Maximum draft (m)	6.5
Minimum draft (m)	3.1
Boom distance from aft (m)	25.0
Maximum angle of boom perpendicular to ship	120°
Discharge system	Bucket Wheel and Pump
Position of boom conveyor	Starboard aft
Outreach and height of raised boom from pivot (m)	13.1/6.1
Discharge speed (tonnes/hr)	1200
Approx cargo tonnes (As Dredged Ballast)	4900
Approx cargo tonnes (Sand)	4400

Cargo hold volume (m³)	2666
Speed (knots)	12.5
GT	3325
NT	997
DW	5891
Port of registry	London
Classification society	Bureau Veritas
Max dredging depth (m)	26.0
Type of dredge pump	In Board
Dredge pipe (mm)	850
Dredge pump capacity (tonnes/hour)	1700-2000
Draghead type	Californian
Type of screening	Tower/wire mesh
Loading capability	All-in/Screened BAD/Screened Sand

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