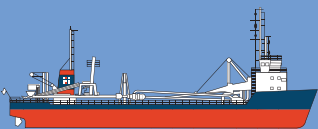




# marine aggregates



**'D' class**  
Arco Dart  
Arco Dee

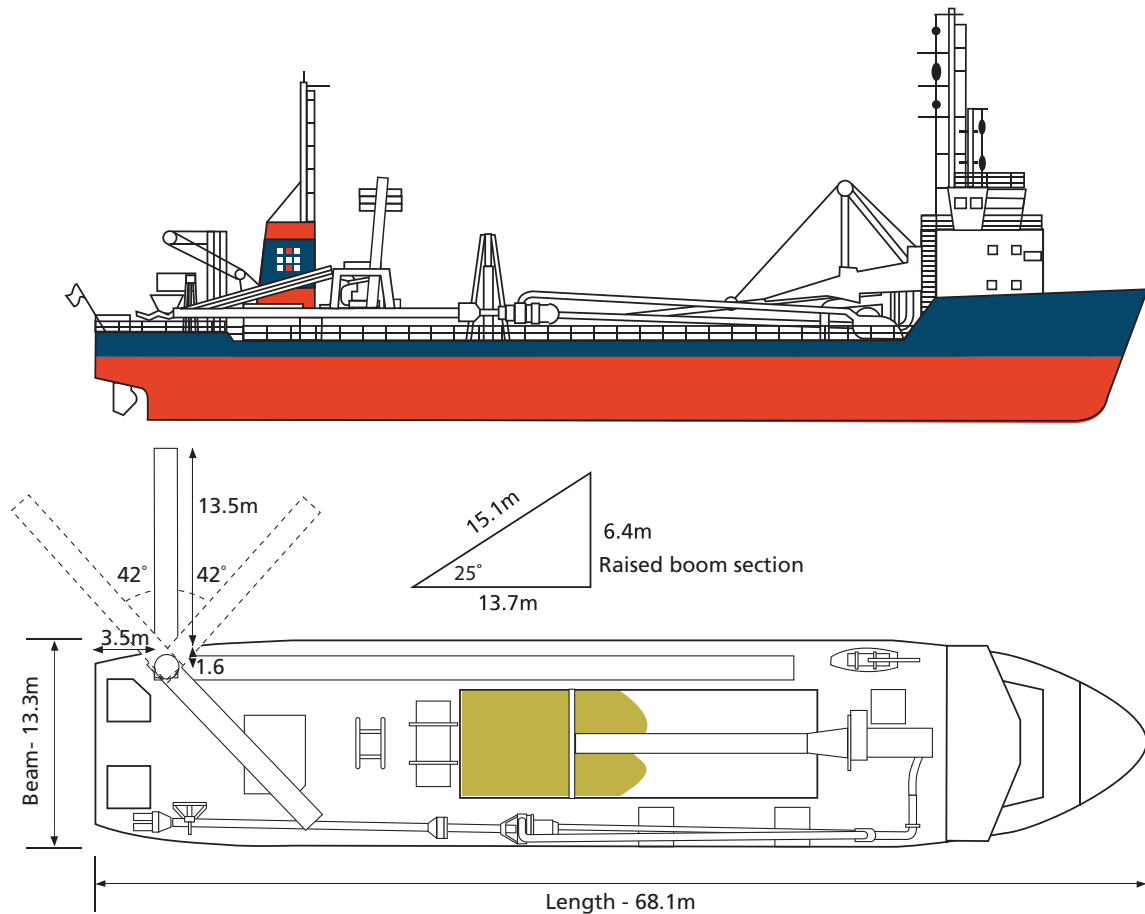
**Hanson Aggregate Marine is Europe's largest producer of marine-dredged sand and gravel, supplying to a network of wharves in the UK and mainland Europe.**

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.

# D class (average) trailing suction hopper dredger



Length (m)	68.1
Beam (m)	13.3
Draught (m)	4.0
Air Draught (m)	22.4
Maximum draft (m)	4.1
Minimum draft (m)	2.5
Boom distance from aft (m)	3.5
Maximum angle of boom perpendicular to ship	84° (42° either side)
Discharge system	Ship mounted hydraulic crane & conveyor
Position of boom conveyor	Port aft
Outreach and height of raised boom from pivot (m)	13.7/6.4
Discharge speed (tonnes/hr)	700
Approx cargo tonnes (As Dredged Ballast)	1400

Approx cargo tonnes (Sand)	1250
Cargo hold volume (m <sup>3</sup> )	751
Speed (knots)	10
GT	1309
NT	392
DW	1850
Port of registry	Southampton
Classification society	Bureau Veritas
Max dredging depth (m)	30.0
Type of dredge pump	Submersible
Dredge pipe (mm)	450
Draghead type	California
Type of screening	Tower/wire mesh
Loading capability	All-in/screened BAD/ Screened sand

## Hanson Aggregates Marine

Burnley Wharf, Marine Parade Southampton, Hampshire SO14 5JF

Tel +44 (0)23 8082 8235 Fax +44 (0)23 8082 8248 email: [marine@hanson.com](mailto:marine@hanson.com)

[www.hanson.com/uk/marine](http://www.hanson.com/uk/marine)