The IHC Beaver® GD500 self-propelled grab dredger is a compact dredger that has been designed to perform small scale (mechanical) dredging jobs. IHC grab dredgers are renowned for their durability, reliability and performance.

The IHC self-propelled grab dredger can be transported by road. It is provided with a heavy duty hydraulically operated grab, that can dredge e.g. sand and silt. It can also dredge stones and debris, which cannot be dredged by hydraulic dredgers.

Royal IHC has a vast experience in designing and manufacturing of self-propelled grab dredgers. The IHC self-propelled grab dredger is available for immediate delivery and every dredger is tested thoroughly before delivery.

The IHC self-propelled grab dredger is propelled by a single marine-type turbocharged and aftercooled diesel engine, which drives a fixed pitch propeller through a reduction gearbox. The engine and gearbox are flexibly mounted and connected to the propulsion shaft by a homokinetic coupling and thrust bearing.

The environmentally friendly water-cooled/lubricated propeller shaft system delivers a high level of operational safety and maneuverability. Due to the flexible mounting of the engine and wheelhouse, the operating noise inside the wheelhouse is very low.

The wheelhouse is placed portside aft, and like the hull, is a welded steel construction. The top of the wheelhouse can also be dismantled easily to reduce the height of the grab dredger for transportation.

The hull is divided into three watertight compartments: aft peak; engine room; and fore peak. The engine cooling water system is closed with an inboard box cooler. The underwater body and arrangement of the propeller allow the vessel to rest on a flat surface.

**Dimensions**
- Length overall, approx. 10.4m
- Breadth overall, approx. 4.05m
- Average draught (with full tanks), approx. 0.9m
- Transport height 4.45m
- Transport height (dismantled) 3.27m
- Total installed power 165kW

**Performances**
- Free sailing speed 7 knots

**Tank capacities**
- Fuel oil day tank 0.25m³
- Fuel oil bunker 4 x 1m³

**Dredging equipment**
- Capacity of Grab 500kg or approx. 208 liters
- Grab dimensions (closed) approx. 790 x 980 mm
- Grab dimensions (opened) approx. 790 x 1230 mm
- Grab beam structure Knuckleboom type for low transport height
**IHC Beaver® GD500 self-propelled grab dredger**

### Hull

### Wheelhouse and engine room

### Propulsion and steering system

### Auxiliary system

### Deck equipment
Hydraulic grab-boom, 74kNm with 7.7m max outreach. Removable deck railing. 4 nos. 1m³ fuel tanks, anchor 30kg.

### Electrical installation
24V network DC. Two batteries sets, each for separate engine start and lighting. 24V alternator on each main engine can charge either battery bank. Interior lighting 24V.

### Miscellaneous

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