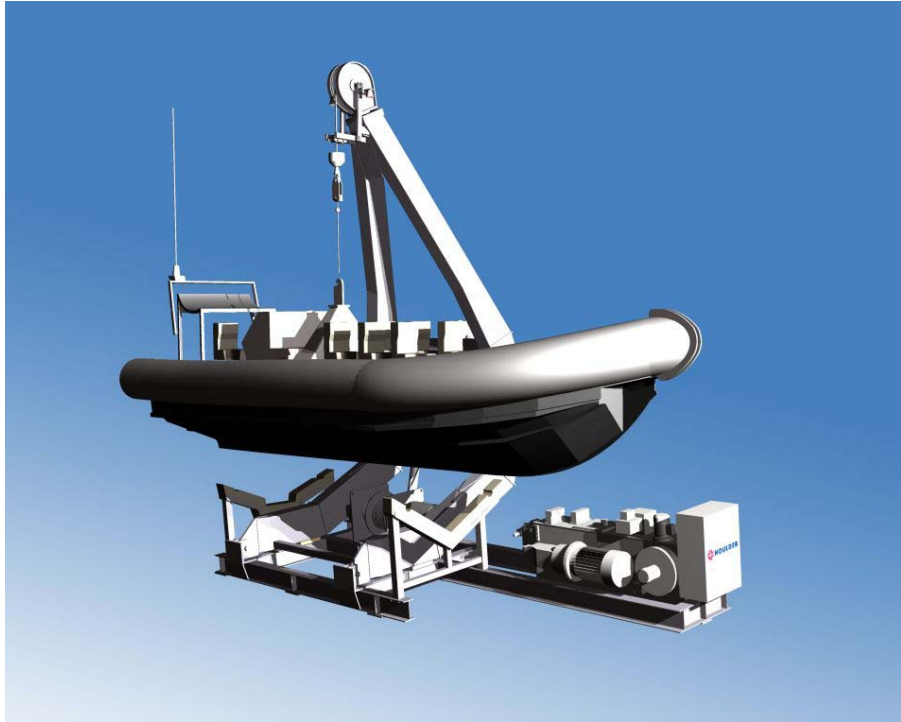




HOULDER TYPE 23 DAVITS



CLIENT: British Ministry of Defence / MXS IPT

PROJECT DESCRIPTION: Design, manufacture, supply and set to work 26 (13 ship sets) of Replacement Davits for Type 23 Frigates

PURPOSE: To accommodate a new heavier multi-purpose rescue boat to be used by the Royal Navy. The combinations of the new RIBs and davits provides a significant capability improvement for the Type 23 fleet.

DAVIT DESCRIPTION:

- 'C' type arm design with an integral base and cradle
- 3.5 tonne load capacity
- Arm luffing by way of a hydraulic cylinder powered by a small HPU (Hydraulic Power Unit)
- Hoisting system incorporates heave compensation up to Sea State 7
- Power is supplied by the vessel, but there is an alternative means to undertake operations if the main power source fails
- Design is such that it ensures the amount of deck modifications are kept to a minimum
- Ability to cater for 4 different types of RIBs

DAVIT TYPES CATERED FOR:

Type	Length and Beam	Weight	Lifting Arrangement
24ft Pacific RIB	7.8m x 2.7m	3.5TE	Single Point Lift
22ft Pacific Mk2	6.25m x 2.44m	2.5Te	Single Point Lift
5.2m MIB	5.2m x 2.18m	1040kg	Sling Lift
7.3m Arctic 24 RIB	7.65m x 2.64m		Sling Lift

OPERATING CONDITIONS:

Capable of operating in a variety of environments, the most extreme of these being open sea conditions of up to sea state 6/7, and wind speeds of 6-25 knots (Beaufort scale force 6).

PRINCIPAL DIMENSIONS:

Davit Arm: 5395H x 2000W
 Davit Base: 207H x 5600W x 1945D

PRINCIPAL WEIGHTS:

Arm: 1.717 Te
 Base: 2.715 Te
 Winch: 730kg
 HPU: 1020kg

ELECTRICAL SUPPLY REQUIREMENTS:

Main supply: 400v, 3 Phase, 60 Hz, 63 Amps

HYDRAULIC FLUID:

Type: OX 40
 Cleanliness Standard: BS5540 / 4 Class 18/13

CODES AND STANDARDS:

The equipment has been designed in line with current issues of the following Codes and Standards:

- Lloyd's Register of Shipping Code for Lifting Appliances in a Marine Environment, Chapter 3, Section 3
- IEE Regulations for the Electrical and Electronic Equipment of Ships
- Health and Safety – The Provision and Use of Work Equipment Regulations 1998
- BR 3027 Manual of Safe Uses, Examination and Testing of Lifting Plant

