



Deck Machinery Solution
Shipbuilding | Oil & Gas





About us

Deena Engineering is a specialist Deck Machinery manufacturer established in 1981. The company has very close association with the commercial shipbuilding industry and operates its services on an international scale.

Deena find its strength in the ability to develop unique project solutions, underpinned by its vast experience to tailor the products and services to the client's precise requirements along with short delivery periods.

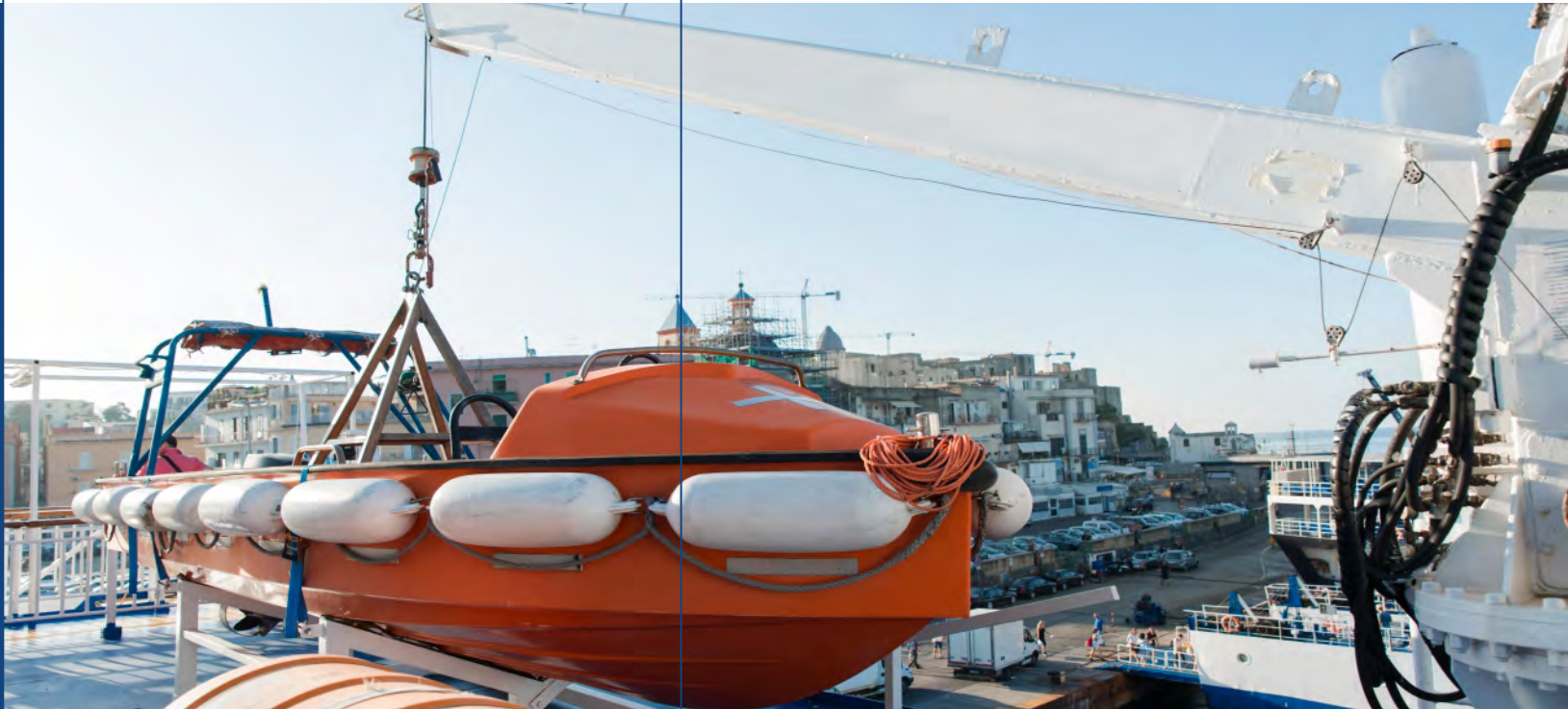
Deena wishes to pay a tribute to its associates, workers and well-wishers, for their contribution in every way. With all humility Deena Engineering Works invites you to encourage this endeavour with your continuous support by joining on in this on-going march towards greater heights of achievements.

Products

- Lifesaving Equipment
- Windlass And Winches
- Towing Equipment
- Mooring Products
- Propulsion



Lifesaving Equipment



Davit

DEENA's range of Single Arm Radial Davits are designed to safely and efficiently handle Liferrafts, Workboats, and Rescue boats. Our Davits are fully approved by IACS members and strictly comply with SOLAS and IMO regulations, ensuring reliability and performance you can trust.

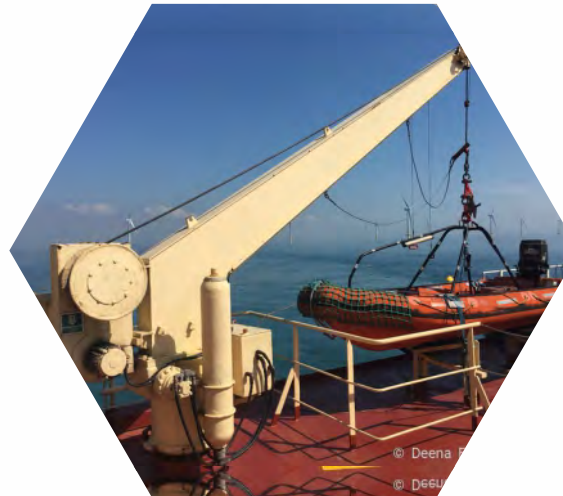
Key Features

SWL of up to 35kN

Radius of up to 5.3m

IP 56 protection

Electric, Electro-Hydraulic or Manual drive



Towing Equipment

DEENA offers reliable and easy-to-use marine equipment for your towing needs.

Our Disc Type Quick Release Towing Hooks are suitable for tugs and AHVs. They release under full load and feature a counterbalance disc for dissipating energy. Our tow hooks are pneumatically actuated, and Load Monitoring System is available.

Our Smit Brackets tow up to 350 tonnes and can be certified through DNV, LR, ABS, BV, RINA, and IRS. They use a sliding pin to secure the towing chain and withstand the chain's breaking load.

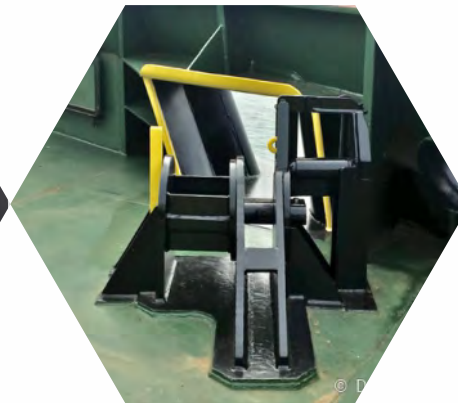
We also offer Shark Jaw and Towing Pin unit which is mounted on the vessel's deck, includes two jaws and a stainless-steel wire lifter pin, and is remotely controlled from the wheelhouse or locally. It withstands the rated SWL, and a quick-release accumulator system operates the tow pin instantly.



Towing Hook

Key Features

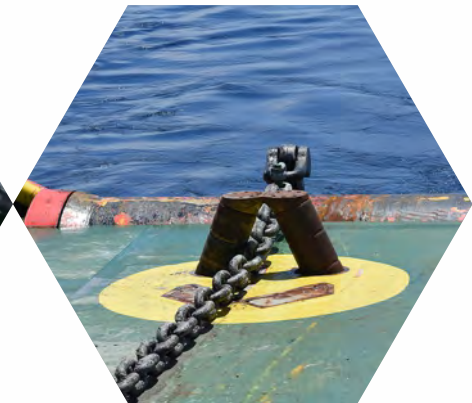
- Max SWL of 150t
- Release under full towline load
- Instantaneous disconnection
- Pneumatic Release
- Easy Manual Reset
- Load Testing at 2 x SWL



Smit Brackets

Key Features

- Max SWL of 350t
- Simple and effective design
- Simple deck mounted design

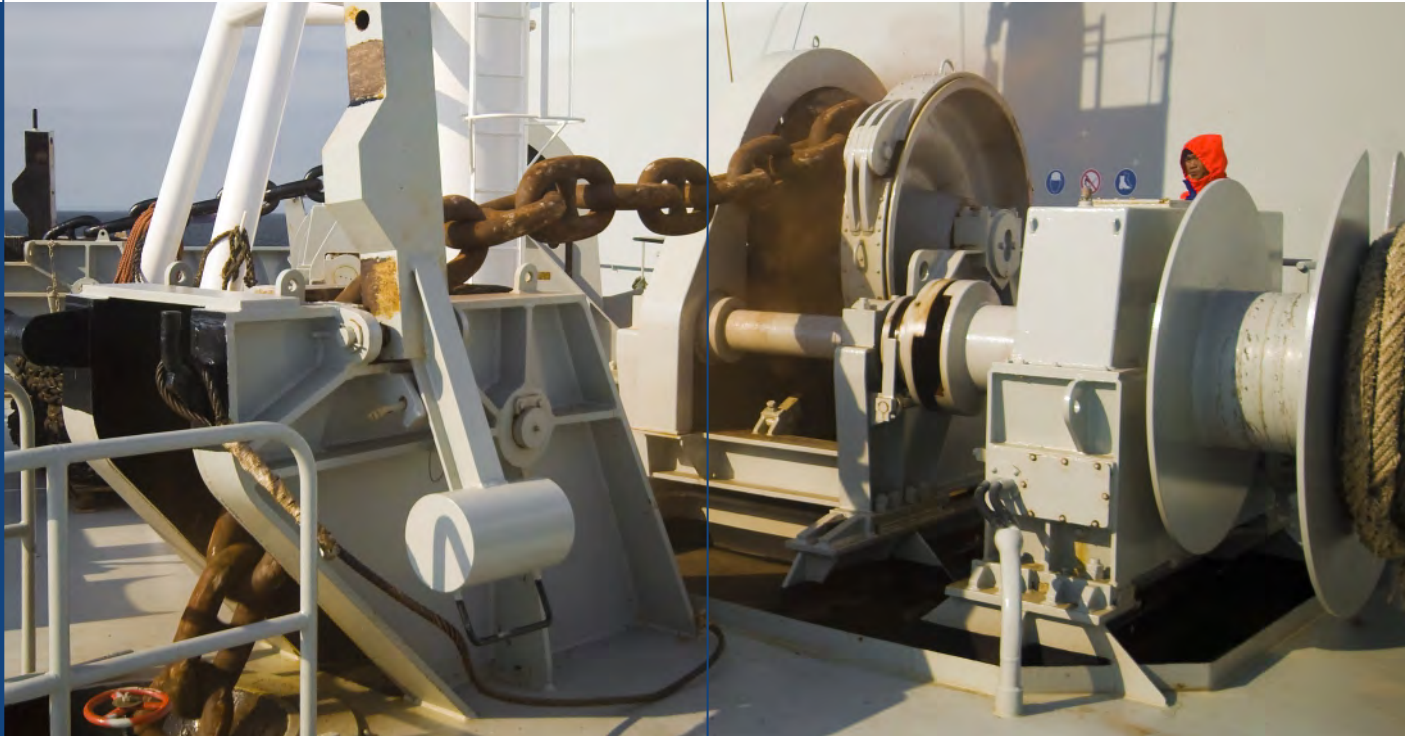


Shark Jaw & Towing Pin

Key Features

- Max chain size of 76mm
- Drop and weld installation
- Bridge and local control

Windlass and Winches



DEENA offers a diverse range of reliable and easy-to-maintain mooring and towing machinery. Our range of machinery are available in various sizes types and drive, catering to different needs such as standard mooring for merchant ships, harbour tugs, seagoing tugs, FPSO mooring, and temporary mooring for drill rigs.

All our machinery is designed to survive harsh marine environments and can be certified through DNV, LR, ABS, BV, RINA, and IRS.

Trust DEENA to provide reliable and efficient marine equipment that meets your requirements.

Windlass / Anchor Capstan

Key Features

Single or double gypsy (wildcat)

Chain size up to 54mm

Enclosed gearbox with gears submerged in lubricating oil

Optional Features

Vertically mounted motor for footprint reduction

Bride operation for gravity lowering

Vertical / Capstan Type

Mooring Capstan

Key Features

Max line pull of 50t

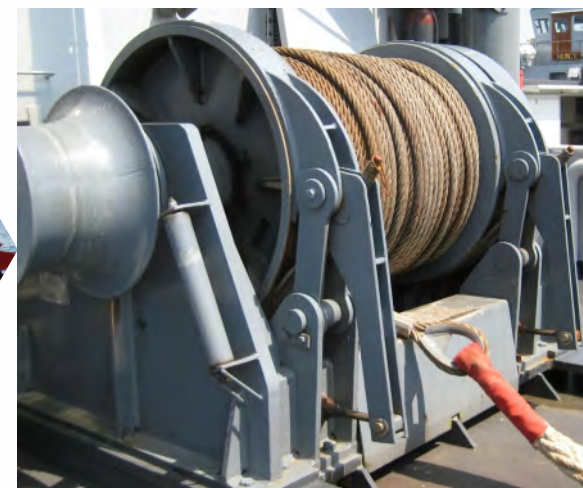
Compact design

Optional Features

Flame proof components

Above deck mounting with motor enclosed inside capstan





Mooring Winch

Key Features	Optional Features
Max line pull of 125t on first layer footprint reduction	Vertically mounted motor for footprint reduction
Single or double drum	Mooring package of 4/6/8 winches working in tandem with line pay-out and tension monitoring
De-clutchable drum	
Enclosed gearbox with gears submerged in lubricating oil	

Towing Winch

Key Features	Optional Features
Bridge Operation with no access to deck required	Vertically mounted motor for footprint reduction
Max line pull of 125t on first layer	Tension monitoring system
Single or double drum	Integrated windlass
Bridge operated de-clutchable drum and brakes	
Enclosed gearbox with gears submerged in lubricating oil	

Winch Cum Windlass

Key Features	Optional Features
Single or double gypsy and drum	Vertically mounted motor for footprint reduction
Chain size up to 54mm	Bridge operation for gravity lowering
Max line pull of 100t	Remote operated brakes
Enclosed gearbox with gears submerged in lubricating oil	Local and/or remote control
	Synchronized Ramp operation winch package



Mooring Products



Swivel Head Fairlead

Key Features

Max wire rope of 64mm

360 degrees swivel

Sealed taper roller bearings

Optional Features

Bolted mounting

Tail sheave

DEENA offers a wide variety of dependable and low-maintenance mooring equipment. Our range of equipment are available in various sizes and types to suit diverse mooring systems and is suitable for an array of seagoing vessels such as barges, tankers, tugs, FPSOs, and drill rigs.

Our equipment is designed to withstand the most challenging marine conditions and can be certified by reputable organizations such as DNV, LR, ABS, BV, RINA, and IRS. You can count on DEENA to provide you with marine equipment that is reliable, efficient, and tailored to your needs.

Roller Fairlead

Key Features

Max SWL of 150t

Bush mounted for smooth operation

Designed to safeguard rope against damage

Multi/Angle and Pedestal Mounted

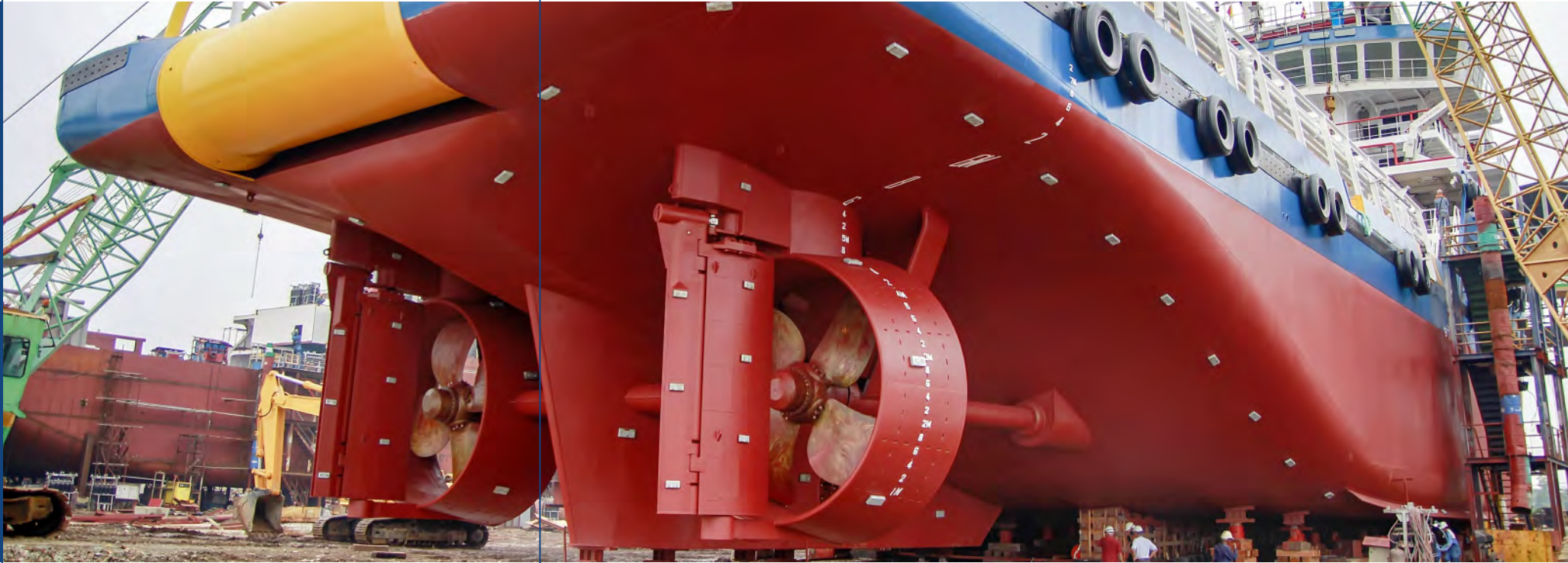
Optional Features

Bolted mounting

Maintenance free



Propulsion



DEENAs range of ship rudders and propellers are crafted with the utmost precision and expertise, ensuring unparalleled performance and durability. Our rudders are designed to provide superior manoeuvrability and stability, allowing ships to navigate even the toughest of waters with ease. Our propellers are offered as part of a complete package with stock and tiller.

Meanwhile, our propellers are engineered to optimize power and speed, enabling vessels to achieve maximum efficiency and performance. Our propellers are offered as part of the complete stern gear package. With our high-quality ship rudders and propellers, you can trust that your vessels will operate at their very best.

Propeller

Key Features

Maximum diameter of 55"

High efficiency

Durability

Rudder

Key Features

Precise manoeuvrability

High-strength construction

Hydrodynamic efficiency



Sectors



Marine

Deena Engineering Works with its vast experience in manufacturing of deck machinery and handling equipment provides a wide range of equipment.

Our equipment range are available for all types vessel including:

- AHTS
- Tug's
- Merchant Ships
- Fishing Vessels
- Barges



Offshore

Deena Engineering Works with its vast experience in manufacturing of deck machinery and handling equipment provides a wide range of equipment which are suitable for offshore drill rigs, production units, drill ships etc.

Our equipment range is available for all types of O&G survey, production, extraction and maintenance vessels including:

- | | |
|--------------------|--------------------------|
| → Drilling units | → Offshore Supply Vessel |
| → Production units | → Dive Support Vessel |
| → FPSO | → Seismic Vessel |
| → FSU | → Accommodation Units |



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