



DECKMACHINERY FOR ANCHORHANDLING TOWING VESSELS





COMPLETE DECK-MACHINERY PACKAGE

- Towing winches
- Anchor winches
- Capstan
- Storage drum
- Aux. Winches
- Spooling devices
- Control systems
- Traction winches
- Spooling units
- Powerpacks
- Fairleads
- Deck cranes
- A-Frame/Davits
- Towingpins
- Karm Fork
- Towingpoint

We deliver a wide range of equipment for towing and offshore support vessels. The towing winches can be design for escort and harbour operations.

Visit our website: www.karmoy-winch.no



TOWING WINCHES

The winches are made compact and of light weight.

The winches can be delivered with tension mode for escort operation. Render recovery of towline.

The towing winches can be delivered both as single and double drum configuration. It can be delivered combined with anchor winch. See picture below.

The units can be delivered with static and dynamic tension monitoring system.





The winches is delivered with pull capacity up to 300 tons.



HARBOUR TUGS

Karmoy Winch manufacture both large and small towing winches for harbour tugs.

The winches can be delivered brake and with tension winch with larger pull capacity.



CONTROL SYSTEMS

Our control system is based on PLC control connected with operating panels (touch screens).

The equipment is made for control of all equipment on deck and touch screens. You can choose between manual or automatic control.

There are a display showing system data, towing control and tension, length paid out and alarms.

The control systems can be special designed for each vessel. The systems can be accessed via internet for system control / monitoring and service. . The systems are delivered to many vessels both towed and escort operation,





The system integrate all deck machinery onboard: towing winches, deck cranes, anchorwinches , spooling devices , tugger winches and karm fork . The system is flexible and can communicate with other systems onboard, example power-management systems.

The system can also include radio remote controls.



ANCHOR WINCH TUGGER WINCHES

We produce a wide range of anchor winches and tugging winches and capstan.

For supply vessels we deliver cargo handling winches and strapping winches.



KARM FORK TOWING PINS



Karm Fork and Towing pin systems

These systems are used for anchorhandling operations.

The systems can be delivered with different configurations with size and numbers of pins. The systems is delivered in different sizes the largest one can be used for chain size up to 165mm. The systems is type approved by DnV.

We design Karm Fork, towings pins, towing points and pop up pins.

Karm Fork with towing pins.



Compact systems

Towings pins





The new developed KARM FORK reach higher over deck than earlier versions. This to easy catch chain.



Stainless steel towingpins for escort tugs .

KARM TOWING PINS



Stainless steel towingpins for
escort tugs.



ANCHORHANDLING PLATFORM SUPPLY VESSEL

Karmøy Winch AS manufacture deckmachinery consisting of winches, cranes, remotecontrol systems, powerpacks, Karm Fork & Towingpins systems and pumps.

We have a wide range of on deckmachinery for tug , supply and anchorhandling vessels. Tension winches for escort tugs. Control-systems for towing winches.

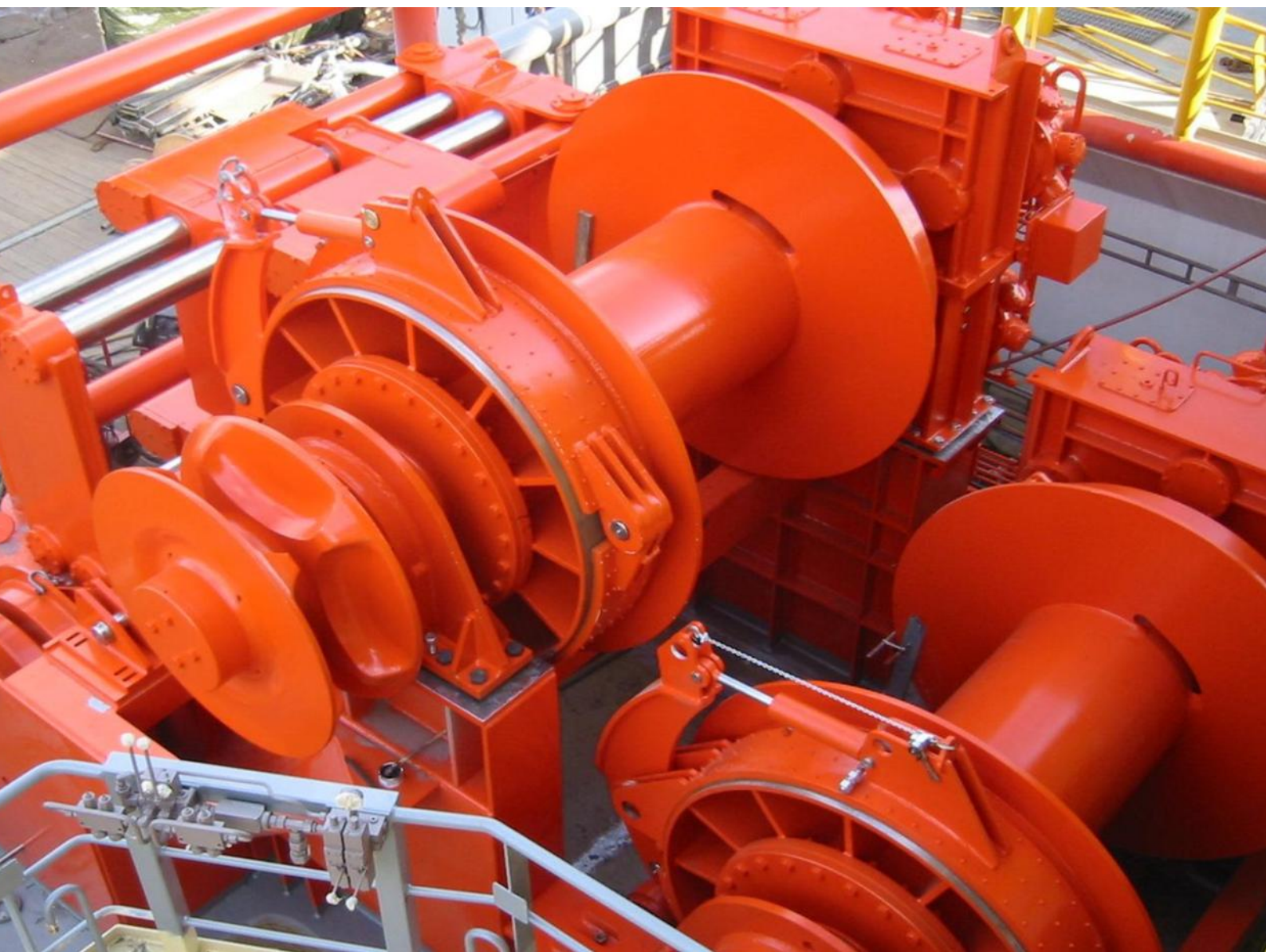
Karm Fork and towingpins for anchor-handling operation.



ANCHORHANDLING WINCHES

The anchorhandling / towing- winches can be delivered both as single and double drum configuration. It can be delivered combined with chain gypsy. The pull capacity up to 500 tons pull. The units can be delivered with static and dynamic tension monitoring system.

The last 7 years we have delivered anchorhandling winches with pull capacity 300 tons on the first drum layer of 1210mm. Our customers have be pleased with the winches. The winches we have produced is two drum winches placed in waterfall. It is possible to use of both drum.



SPOOLING DEVICE

We deliver different types of spooling devices.

These spooling devices are manually controlled , remote control or automatic control. The spooling devices can be delivered with automatic release at high side load.



DECK CRANES

CARGO RAIL- CRANES

We design a wide range of lifting and handling systems for ships. The deck cranes with capacity up to 50tons at 20m .

The cranes is delivered both with monobox, knockle or telescopic jib type. Typical operated by remote control system.

We deliver different sizes and designs for launching frames , A-frame and davits. The units can be delivered from 1 ton—50 ton capacity.

The A-frames can be delivered with intergrated winches and powerpack. We can also deliver units with tension and heave compensation systems both passive and active.

Transvers stern handling systems are delivered with lifting capacity up to 7 tons.



STERN ROLLER

We design sternrollers for anchorhandling vessels.



TOWING FAIRLEAD



Towing fairlead fitted into towing strongpoint on deck to ease manouvring during tow.

The blocks are delivered in 3 different sizes.



A-frame for handling rig anchors and reduce stress on rig anchor deployment.

CARGO SECURE WINCHES

Cargo secure winches for handling deck cargo on platform supply vessels. The winches have freecoupling for easy payout of wire rope.

STORAGE DRUM

Storage drums for mooring ropes and spare tow line. The storage drums can be delivered with tension mode to ease spooling and required back tension on wire.



SAFEHOSE HANDLING - SYSTEM

Safe hose handling system is designed to make the operation of transfer of bunker, mud hoses to a platform supply vessel more safe and more efficient.



SPECIAL EQUIPMENT RENTAL EQUIPMENT

We hire out chain winches, Storage winches, cable handling systems for offshore construction vessels .

We have a test facility where we can test up loads up to 500 tons.





RESEARCH VESSELS

Handling systems for seismic research vessels. Streamer winches, umbilical winches, gun winches and control system



FISHING VESSELS

Complete deckmachinery for fishing. trawlers and purseseine vessels. Winches, cranes, nethandling systems and fishpumps



OFFSHORE RIGS

- Winches
- Windlass
- Riser pull in
- Umbilical winch
- Fairlead

FACTORY



The warehouse in Norway have most spareparts. Our service department have contact no +47 52 85 68 00

