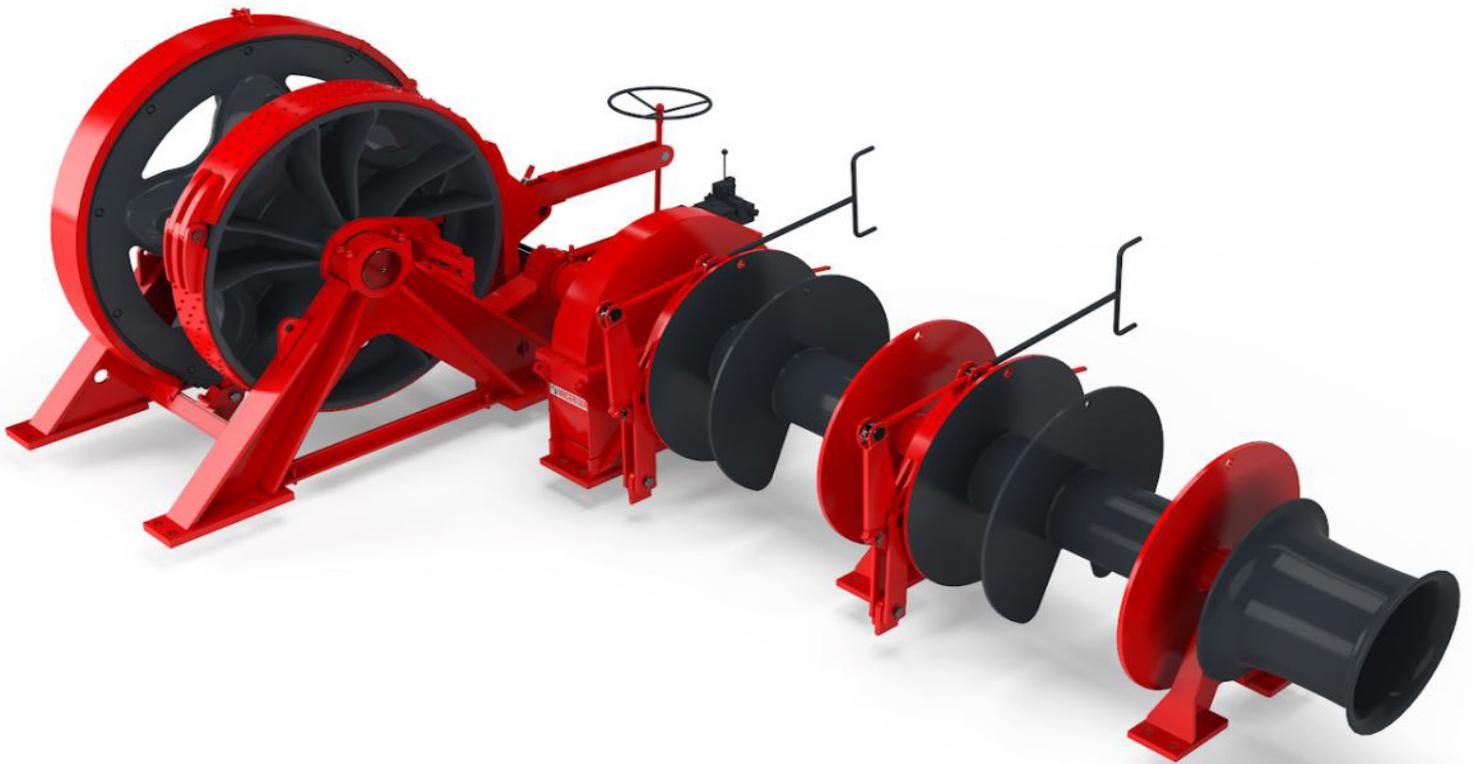


Next Generation Deck Machinery

Increases reliability and performance



Safe and Reliable

With extensive experience dating back to 1875 and the combination of proven Pusnes, Hatlapa and TTS technologies, MacGregor introduces the next generation of deck machinery. Designed to further improve safety, reliability and performance.

The new range provides significant benefits to shipbuilders and ship-owners. It is easy to install and maintain, due to a reduction in the number of components and consumables used. Reliability and performance are improved by incorporating proven technologies that have been further developed to optimise weight and increase competitiveness. Operational availability is maximised and unplanned downtime minimised through the use of qualified components and the latest technology.

Safety, which is MacGregor's highest priority, can be further enhanced by selecting the combined windlass and mooring winch, where the intelligent control block enables safe anchor lifting and prevents equipment damage in severe weather conditions.



Deck Machinery Portfolio

The result is an optimised portfolio for all type of vessels. The range covers a standard anchor windlass portfolio suitable for a chain size range from 68mm to 147mm, and a standard mooring winch portfolio for a nominal pull from 160 to 320kN according to ISO 3730 which also fulfills the requirements of OCIMF MEG4. Deck Machinery of smaller and bigger sizes is available on request.

Cutting-edge features of three market-proven brands unified in one design:

Anchor Windlass

- Improved assembly, installation and service friendliness by
 - Divided bearing steel structure and bearing shells
 - Easy removal of shaft with pinion
 - Optimized access for bolt tightening

Drive

- Passive motor protection for hydraulic anchor windlass according to IACS requirements
- Overload Protection by an intelligent control block

Chain Wheel

- Optimized weight construction with standardized geometries based on IACS

Band Brake

- Adjustable brake lining to cover the wear
- Adjustable height for assembling the brake anchor bolt

Mooring/ Anchor Mooring Winch: Gearbox

- Compact and divided gearbox for easy maintenance
- Less gear oil need

Pedestal Bearing

- Self-aligning roller bearings for easy deck mounting and increased lifetime
- Easy access for bolt tightening

Clutch

- Less wear and tear by re-arranged contact zones

Band Brake

- Wear indicator

Rope Drum

- Stainless steel brake rim as option
- Easy access to lubrication points



Wherever needed, you can rely on our support.
We serve our customers globally:

- Ankerlökken Marine
- Allset
- ASCA
- Becker
- BMH
- Conver-OSR
- Grampian Hydraulics
- Flintstone
- Greer Marine
- Hamworthy
- Hatlapa
- Hydramarine
- Hägglunds
- Interschalt
- KGW
- KYB - ASCA
- KYB - Kayaba Industries / Navire Cargo Gear
- Luezhoe
- MacGregor
- MacGregor-Conver
- MacGregor-Hägglunds
- MacGregor-Kayaba
- MacGregor-Navire
- Navire Cargo Gear
- NMF
- Nordströms
- Ozean Service & Reparatur
- Platform Crane Services (PCS)
- Plimsoll
- Pusnes
- Porsgrunn
- Rapp
- Triplex
- TTS
- Vestnorsk Hydraulikkservice (VNH)



MacGregor is a leader in sustainable maritime cargo and load handling with a strong portfolio of products, services and solutions, all *designed to perform with the sea*.

Shipbuilders, shipowners and operators are able to optimise the lifetime profitability, safety, reliability and environmental sustainability of their operations by working in close cooperation with MacGregor.

MacGregor is part of Cargotec (Nasdaq Helsinki: CGCBV).

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