



Offshore, Advanced Load Handling

Deck Handling Manipulator System



TECHNICAL INFORMATION

DHMS





Deck Handling Manipulator System

For safe and flexible offshore deck handling operations

Cargotec supplies a wide range of MacGregor solutions for anchor handling operations. Its Deck Handling Manipulator System (DHMS) is designed to improve safety and operability onboard AHTS vessels. DHMS combines the chain and wire gripper into a single, flexible and safe system to be installed on deck or cargo rail cranes.

Crane's standard functions remain operational

DHMS allows the crane's standard winch functions to remain fully operational. In addition, this gripper system provides the capability to hold and move heavy loads to appropriate working positions. Consequently, no re-rigging is required for alternating between gripper and winch operations.

Remote-controlled operations

A key benefit of DHMS is its remotely operated system facility, which is designed to assure better safety for the crew on the aft deck. Since the gripping system is fully controlled from the crane's portable panel, it substantially decreases the necessity for heavy manual tasks during anchor handling operations on offshore vessels.

Unique advantages

- Fully operational winch functions in addition to gripper system
- No re-rigging necessary
- Remotely operated system
- Optional or an upgrade feature for new or existing deck or cargo rail cranes

Key benefits

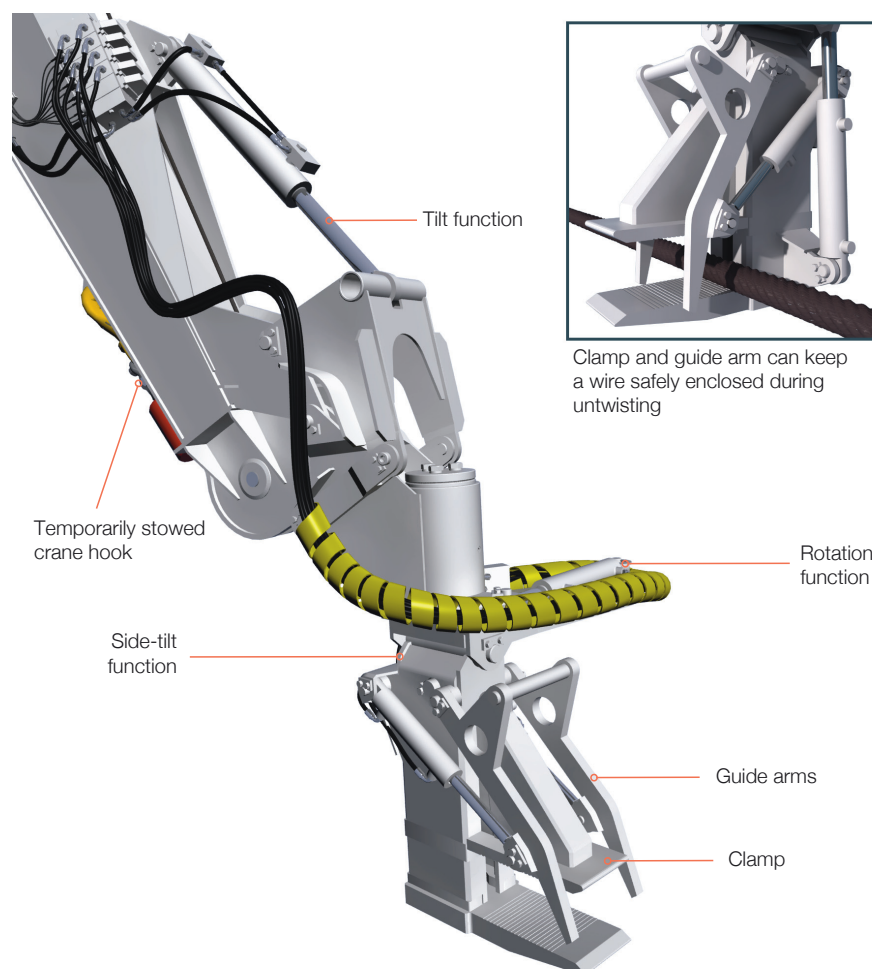
- Flexibility
- Multi-functionality
- Time efficiency
- Enhanced crew safety

Main gripper functions

- Chain / Shackle lifting and positioning
- Wire gripping and spinning holding
- Lasso handling

Technical specifications

Clamp opening	max 180 mm
Clamp opening	min 30 mm
Clamp force	max 15 tonnes
Guide arm lock force	4 tonnes
Width of clamp section	200 mm
Length of clamp section	350 mm
Side tilt	+/- 37 degrees
Rotation	+/- 40 degrees
Tilt	≈ 170 degrees



Lloyd's Register Quality Assurance certifies that the Quality Management System for Cargotec Marine is ISO 9001:2008 compliant.

Cargotec improves the efficiency of cargo flows on land and at sea - wherever cargo is on the move. Cargotec's daughter brands, Hiab, Kalmar and MacGregor are recognised leaders in cargo and load handling solutions around the world.

MacGregor is the global market leading brand in marine cargo handling and offshore load-handling solutions. Customer driven MacGregor engineering and service solutions for the maritime transportation, offshore load-handling and naval logistics markets are used onboard merchant and naval ships, on offshore support vessels, and in ports and terminals.

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**Cargotec Norway AS
Offshore**

Andøyveien 23,
N-4623, Kristiansand, Norway
tel. +47 91 68 60 00
fax +47 38 01 87 01
www.cargotec.com

