

# **Straatman Capstans**



## **Capstans: Enhancing Mooring Efficiency and Safety**

Capstans serve as integral components in ensuring the safe and efficient handling of mooring lines for boats and ships. Straatman offers a diverse range of capstan solutions, seamlessly integrated into our quick release mooring hook units or provided as standalone vertical capstans, tailored to meet the unique needs of various applications and vessel types.



## **Mooring Capstans: Essential Components for Port Operations**

A mooring capstan stands as a permanent fixture utilized during the mooring process upon reaching a port or dock. It facilitates the transfer of mooring lines from the vessel to the berth, enabling secure docking and ensuring vessel stability.

## **Customization for Versatile Applications**

Straatman takes pride in offering customizable capstan solutions to suit any application and vessel type. Whether integrated with bollards, basic quick release hooks, or deployed as standalone units, Straatman capstans are engineered to meet the demands of diverse maritime

environments.

## **Technical Specifications (Standard Range)**

- Nominal pull: 10-30 kN
- Line speed: 10-30 m/s
- Capstan head diameter: 275 mm
- Brake: mechanical (back stop)
- Switch box and foot switch included
- Preservation compliant with DIN EN ISO 12944, category C5-M

## **Options for Customization:**

Our capstans come with a range of customizable features, including:

- Custom-made designs
- Two rotation directions
- Electrical brake systems
- ATEX / IECex certification for hazardous areas
- Integration with autonomous solar systems for sustainable power supply

## **Solar-Powered Capstans: Sustainable Solutions for Any**

## Environment

For scenarios where traditional power supply systems are impractical, such as LNG or Oil & Gas terminals, Straatman offers solar-powered capstan solutions. Our explosion-proof solar panels, fully certified to ATEX and IECex standards, ensure reliable operation in hazardous environments.

