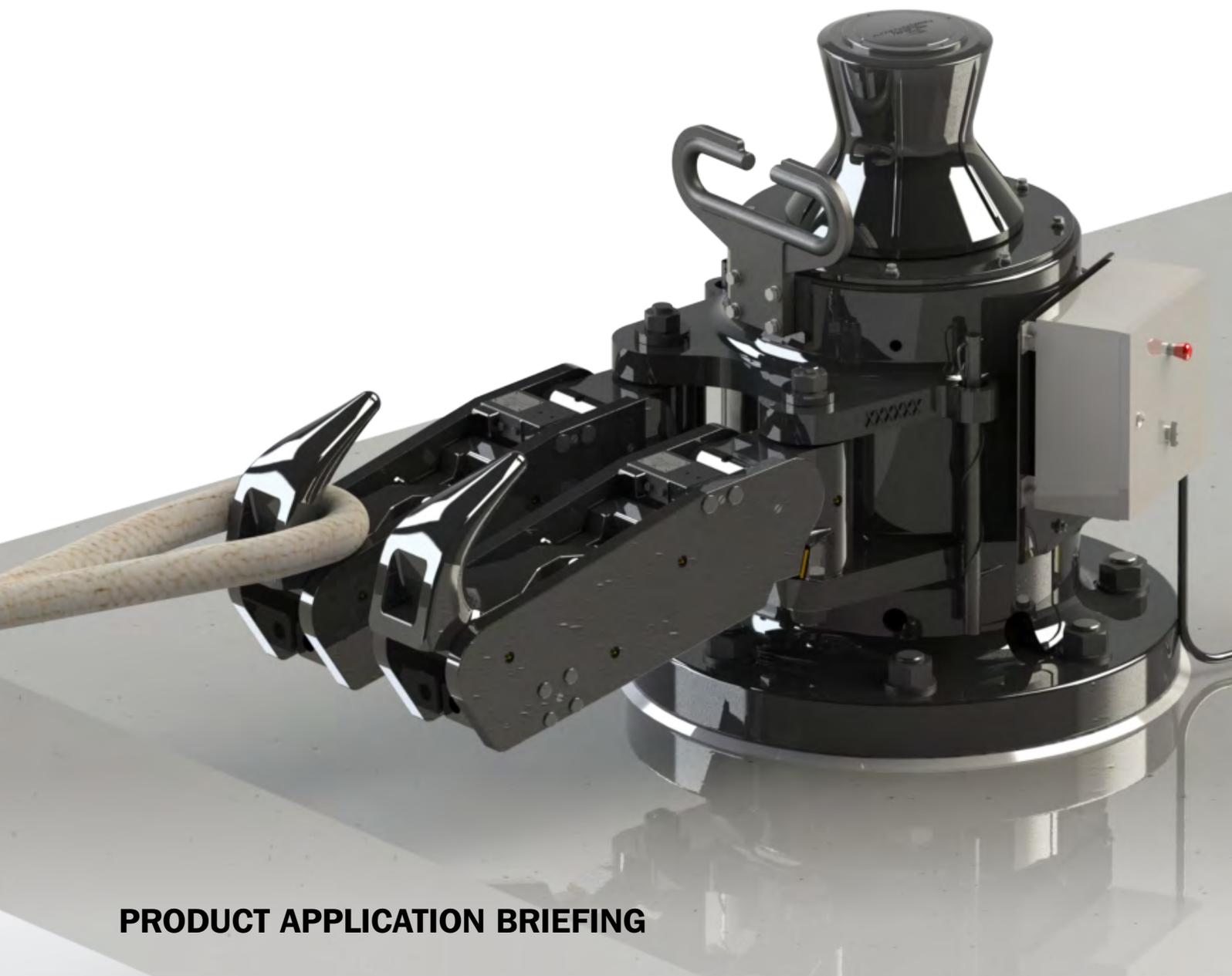


ReadyMoor Quick Release Hooks



PRODUCT APPLICATION BRIEFING

ReadyMoor Quick Release Hooks

Trelleborg Marine Systems has a proven track record in supplying docking and mooring equipment for state of the art terminals around the globe.

Quick Release Hooks (QRHs) are the basis of any advanced integrated mooring system, ensuring the vessel is secured fast to the jetty by providing solid, reliable anchor points for mooring lines.

From oil terminals operating in sub-zero temperatures, to LNG terminals in the tropics and everything in between, Trelleborg's QRHs have provided countless facilities with the customized, high performance solutions needed to optimize their docking and mooring operations.

Trelleborg has now applied this vast knowledge and expertise to produce a standard QRH solution that provides the fastest lead time for commercial applications, where bespoke solutions are not required.

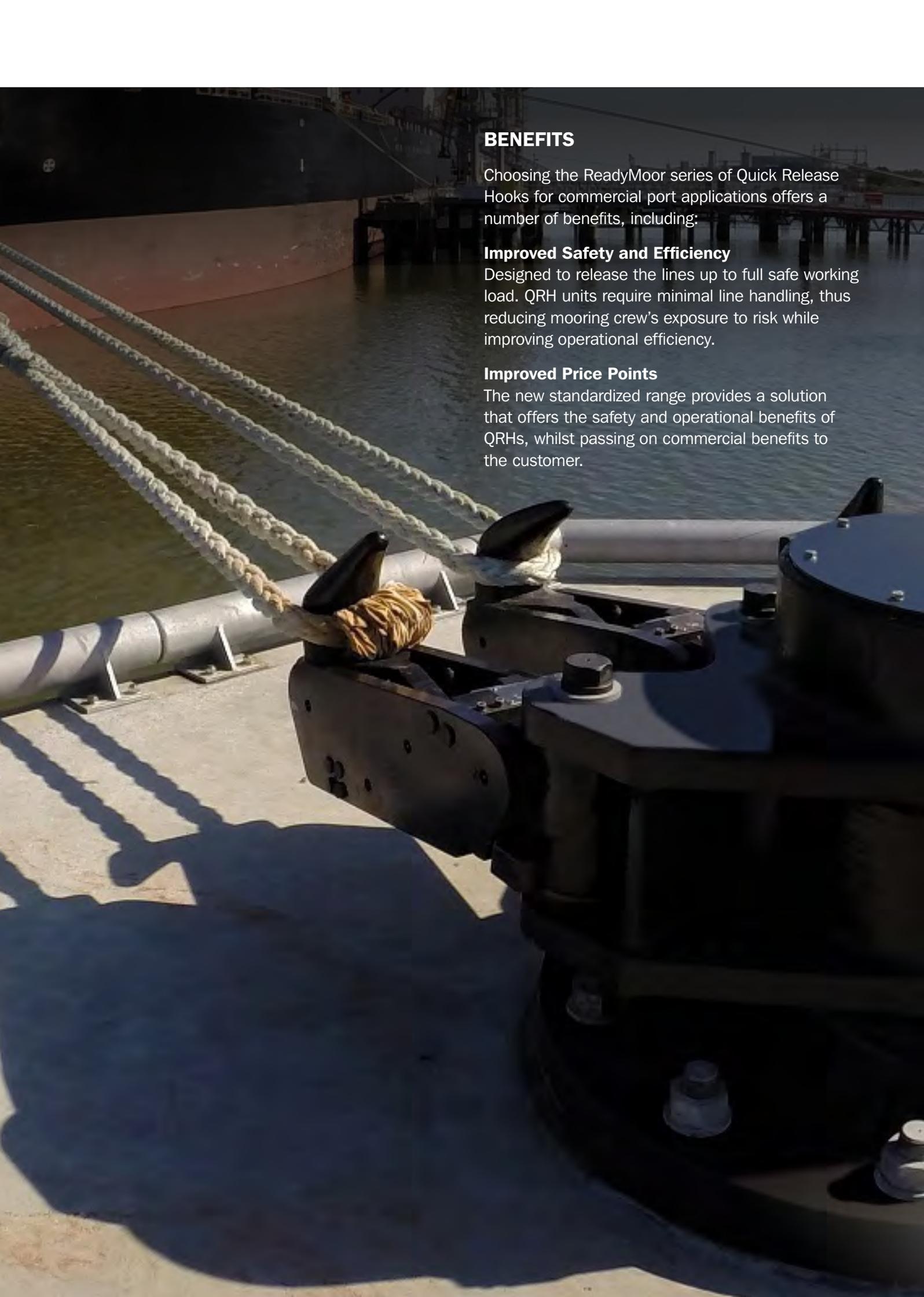
Standardized solutions with the fastest lead time

Trelleborg Marine Systems has developed a standardized series of Quick Release Hooks (QRHs) to meet a range of applications requiring streamlined solutions, such as in commercial ports and harbors.

Thanks to this 'ready-made' approach, the ReadyMoor range represents a cost effective series of QRHs. The series is also available with the quickest lead time yet, with average delivery taking just 12 weeks, the time it takes to assemble, test and ship the product.

The ReadyMoor range is available in double or triple hook units with a Safe Working Load (SWL) from 50 tonnes to 150 tonnes. Models with an SWL of 60 tonnes and higher are also available with integral capstans, if required.

READYMOOR SERIES	SWL (Tonnes)	Integral Capstan
ReadyMoor 50	50	N/A
ReadyMoor 60	60	Available
ReadyMoor 75	75	Available
ReadyMoor 100	100	Available
ReadyMoor 125	125	Available
ReadyMoor 150	150	Available

A large, black, industrial-grade mooring hook is mounted on a ship's deck. Several thick, white ropes are attached to the hook and extend towards the water. The background shows a large ship's hull and a pier structure. The scene is brightly lit, casting shadows on the deck.

BENEFITS

Choosing the ReadyMoor series of Quick Release Hooks for commercial port applications offers a number of benefits, including:

Improved Safety and Efficiency

Designed to release the lines up to full safe working load. QRH units require minimal line handling, thus reducing mooring crew's exposure to risk while improving operational efficiency.

Improved Price Points

The new standardized range provides a solution that offers the safety and operational benefits of QRHs, whilst passing on commercial benefits to the customer.

ReadyMoor 50



Available in a range of designs including double and triple hook units.

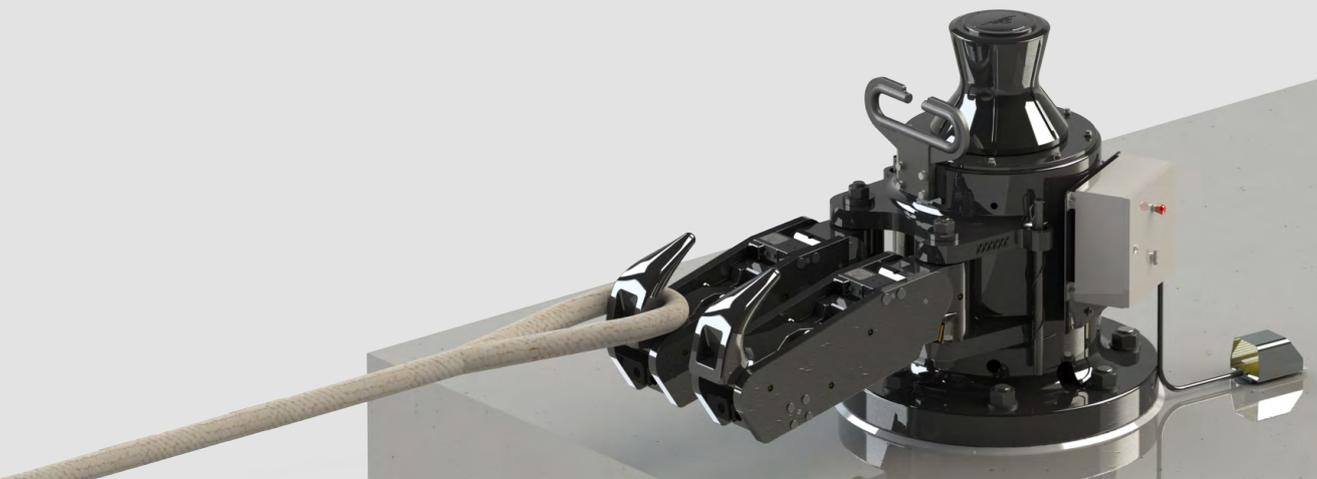
The ReadyMoor 50 QRH combines the knowledge of Trelleborg's experienced engineering team with the benefits of FEA analysis software, to develop an optimized solution for compact mooring applications.

KEY FEATURES:

- Reduces the overturning moment on the hook base and subsequently the stresses on the hook base and the hook base foundations.
- Hook profile shaped to guide the messenger line during retrieval so that the eye of the mooring line is positioned over the hook nose. This minimizes line handling requirements, reducing the mooring crew's exposure to risk.
- Single stage locking mechanism: fewer moving parts reduce maintenance requirements and improve reliability
- Compact design: small installation footprint, minimizing the amount of deck space consumed
- Sold without capstan

Any variations to the ReadyMoor series required due to project specification or resulting in involvement of TMSM project management and/or engineering teams will be dealt with as a SmartMoor product.

ReadyMoor 60-150



A range of Quick Release Hook units available with or without integral capstans.

The compact foot print of the new range features an all-in-one design to minimize deck space usage and installation costs.

Quick Release Hook (QRH) units are available with double or triple hooks in capacities from 60t to 150t. The option with capstan provides an integral electric capstan motor housed within a protective structure (typically the QRH base). The capstan motor is factory run-in and mated with a gearbox, which is oil-filled for life. A Direct on Line (DOL) motor starter allows control of operation through a footswitch, Emergency Stop Switch (E-Stop) and direction selector switch.

KEY FEATURES:

- Cast bases and hooks: superior corrosion resistance and higher strength
- Cast hooks are designed with optimal throat size to minimize rope wear
- Compact and strong cast hook design: double the yield strength of forged mild steel hooks by others
- Unobtrusive release mechanism: no protruding components outside the hook body which could act as rope catching points
- Enclosed capstan design: increased protection from environmental and mechanical damage during operation, maximizing service life
- Industry best protective coating: offered by high quality three-coat paint specification

Any variations to the ReadyMoor series required due to project specification or resulting in involvement of TMSM project management and/or engineering teams will be dealt with as a SmartMoor product.



Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way.

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