

A large red ship is docked at a pier. Several thick, braided synthetic ropes are attached to the ship's hull and the dock. The sky is blue with scattered white clouds. The ship's superstructure is visible in the background.

marine mooring & towing.

Advanced synthetic fibre solutions.



ScanRope

a **BRIDON · BEKAERT** Ropes Group Brand

Bridon-Bekaert Ropes Group is the world's premier supplier of mission critical advanced cords, steel wire ropes, and synthetic fibre ropes.

As a leading innovator, developer and producer of the best performing ropes and advanced cords globally, the Group provides superior value solutions to the oil & gas, mining, crane, elevator and other industrial sectors.

Two of the most enduring wire and rope pioneers joined forces in 2016 to make this ambition real. Bridon-Bekaert Ropes Group has a global manufacturing footprint and employs approximately 2500 people worldwide.

ScanRope, a synthetic fibre product line brand by Bridon-Bekaert, is an advanced range of products that are designed specifically for demanding applications.



mooring & towing.



Operational requirements

Towing and mooring are critical operations. The safety of crew and vessel while manoeuvring, towing and securing is essential. To ensure this Bridon-Bekaert work closely with operators and shipowners to develop and supply products and services suited the specifics of their operating procedures and activities.

Bridon-Bekaert offer a comprehensive range of ScanRope synthetic fibre solutions to meet requirements of any vessel or environment considering:

- ✓ System compliance
- ✓ Vessel geometry
- ✓ Operating environment
- ✓ Repetitive use
- ✓ Chafe protection / abrasion resistance requirements

Why synthetic fibre?

ScanRope's range of lifting products offer an alternative high strength, lighter weight solution. They are not affected by corrosion or rotation and are easy to handle.

- ✓ Efficiency - easier and safer line handling
- ✓ Safety - improved deck operations
- ✓ Cost -effective - reduced rigging time and fewer crew requirements
- ✓ Performance - optimised mooring systems to suit vessel geometry & environment



selection & design.

Product range

Bridon-Bekaert's range of synthetic fibre mooring and towing products include:

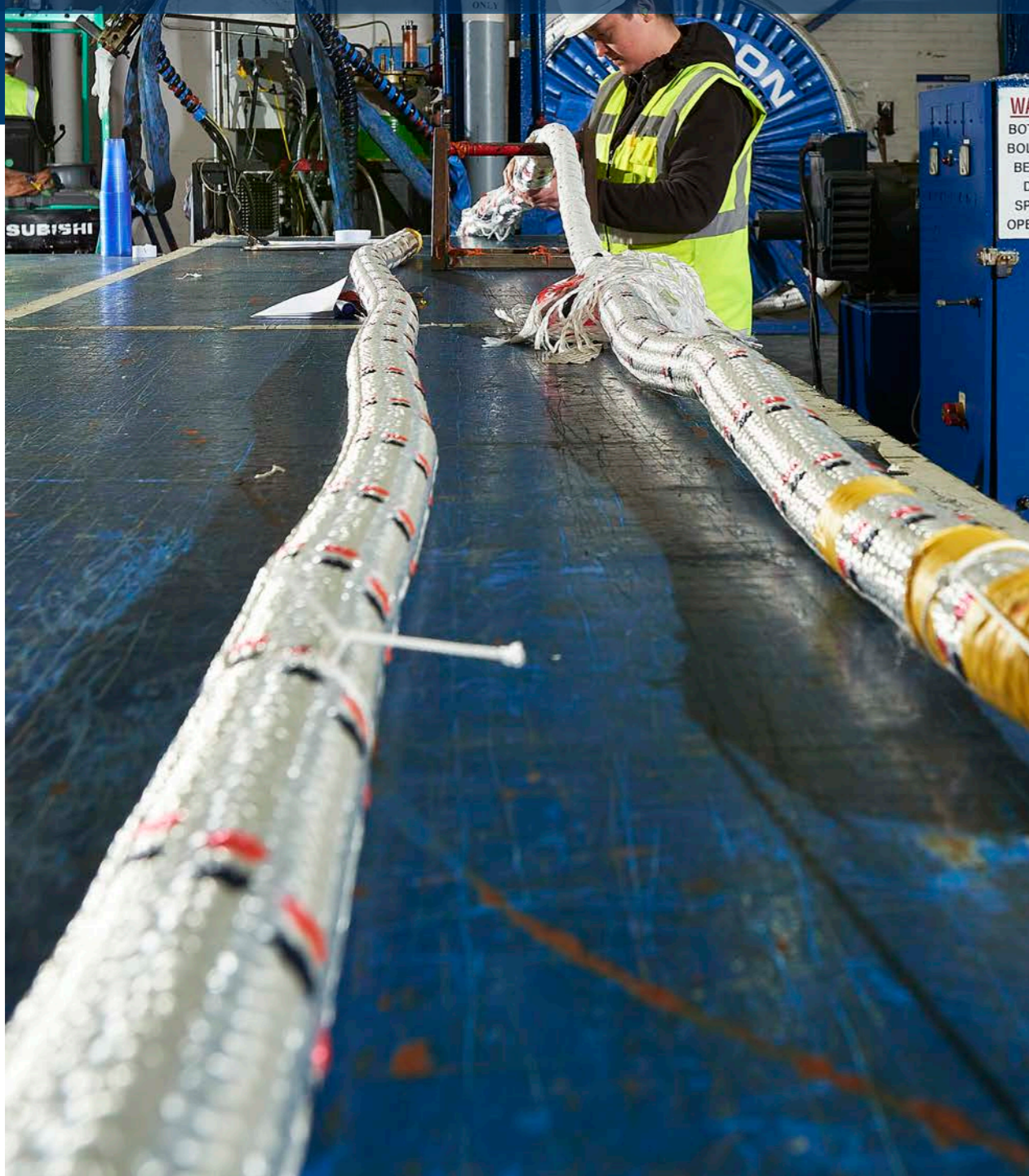
- ✓ Mooring Lines
 - High modulus ship-shore
 - Medium and low modulus
- ✓ Mooring tails
- ✓ Winch Lines
- ✓ Tow Lines
- ✓ Tow pendants
- ✓ Tow stretchers
- ✓ Tug Assist Lines
- ✓ Anchor lines

Design & engineering

- ✓ Guidance on industry requirements
 - OCIMF
 - Type approvals
 - Industry standards
- ✓ Product and material recommendations and advice
 - Tail and stretcher dimensioning
 - Vessel hardware compatibility assessment
 - Plan review
 - On board surveys
 - Line leads
 - D/d ratios
 - Winch suitability
 - Abrasion protection
- ✓ Tagging, labelling and colour coding
- ✓ Retirement decision support



manufacture & supply.



Manufacture & fabrication

Bridon-Bekaert can manufacture and supply a comprehensive range of synthetic fibre ropes in nylon, polyester, aramids, composites, polypropylene and HMPE dependent on requirements.

By utilising our in-house expertise and that of carefully quality assessed partners we can optimise your mooring and towing systems solutions and performance.

Our quality assurance and technical expertise throughout the organisation and along the supply chain ensure a consistently high-performance product that is traceable from raw material right through to the end-product.

Stock

Bridon-Bekaert can supply high quality synthetic fibre rope from a comprehensive stock held at strategic locations globally, providing a prompt supply for towing, mooring and other marine applications. These facilities enable a prompt and efficient dispatch and delivery service, reducing delivery timescales and delayed shipping operations.

Testing

The Bridon-Bekaert Technology Centre is equipped with purpose-built test equipment and forensic laboratories. This facility enables a wide range of performance and verification tests to be carried out as part of project or product certification and factory acceptance programs. Test options include:

- ✓ Break force
- ✓ Modulus and elongation (critical for tails and stretchers)
- ✓ D/d and winch compatibility studies
- ✓ Wear and abrasion
- ✓ Fatigue
- ✓ Material testing
- ✓ Microscopic examination
- ✓ Residual testing and analysis

through-life support.



Operation & maintenance

Bridon-Bekaert can provide a full technical and global after sales support service through our network of trained personnel and approved distributors.

To optimise the value and performance of our synthetic fibre products, Bridon-Bekaert provide a range of operational and lifetime support services worldwide. Tailored maintenance packages are offered and include rope termination, repair and re-splicing.

- ✓ Pre-selection surveys
- ✓ Installation
- ✓ Operational inspections
- ✓ Retirement guidance



product selection.



ScanRope
a BRIDON · BEKAERT Ropes Group Brand

TQ Fix

- ✓ Non-rotating
- ✓ Floats
- ✓ Wet strength equal to dry strength
- ✓ Flexible
- ✓ Easy to handle and splice
- ✓ UV stabilised

TQ Float

- ✓ Floats
- ✓ Optimum strength to weight ratio for ease of handling
- ✓ Does not absorb water
- ✓ Good abrasion resistance against internal and external friction
- ✓ Wet strength equal to dry strength
- ✓ UV stabilised

TQ Flex

- ✓ Does not absorb water
- ✓ Wet strength equal to dry strength
- ✓ Flexible
- ✓ Easy to handle and splice
- ✓ UV stabilised

product selection.



ScanRope
a BRIDON · BEKAERT Ropes Group Brand

Steelite 12

- ✓ High strength (size for size match for steel)
- ✓ Low elongation
- ✓ Quick and easy to splice and repair
- ✓ Load bearing material is easily visually inspected
- ✓ Does not rotate under load or lose strength when wet
- ✓ Floats

TQ 12

- ✓ Floats
- ✓ Easily visually inspected
- ✓ Flexible
- ✓ Easy to handle and splice
- ✓ Good abrasion resistance

FlexiLine

- ✓ Lightweight
- ✓ High transverse stiffness
- ✓ Excellent abrasion resistance
- ✓ Loadbearing material easily inspected

BRIDON • BEKAERT

THE ROPES GROUP

fibresales@bridon-bekaert.com
www.bridon-bekaert.com



facebook.com/BridonBekaert



linkedin.com/company/bridon-bekaert



twitter.com/bridonbekaert

United Kingdom

+44 (0) 1302 565100

The Netherlands

+31 181 76 70 13

United States

1 800 521 5555

570 709 8782

DISCLAIMER

Whilst every effort has been made to ensure the accuracy of information in this publication, no guarantee or warranty (express or implied) is given with respect to the accuracy or completeness of the information contained within. This publication and the products described herein may be changed or updated without notice. Any and all liability whatsoever for any loss or damage arising, directly or indirectly, out of or in connection with the use of this publication, is excluded to the fullest extent permitted by law. The user must determine the suitability of the product for their own particular purpose, either alone or in combination with other products and shall assume all risk and liability in connection therewith. This document is published by Bridon-Bekaert Ropes Group. Use of this publication shall be governed in accordance with the laws of England & Wales and the English courts shall have exclusive jurisdiction over any dispute concerning your use of this publication.

INTELLECTUAL PROPERTY

All rights reserved. No parts of this publication may be reproduced or transmitted in any form or by any means without the prior written permission of the copyright holder, application for which should be addressed to Bridon-Bekaert Ropes Group. All trademarks used in this publication belong to Bridon-Bekaert Ropes Group or the registered proprietors of such marks. All rights relating to such trademarks, copyright and any other intellectual property rights are reserved for "Bridon" or the person/organisation contributing the relevant materials.