

Tugging & Towing • Deep Sea Operations • Heavy Lifting • Mooring

The Mooring Solutions GmbH – for more safety

Mooring Solutions was established 2010 in Germany as a trading company for high-quality Dyneema® towing ropes. The company is specialized in the development of demanding special solutions for towage, salvage, offshore industry, navy and research shipping.

Besides Dyneema®, Mooring Solutions offers according to requirement and applications also other towing rope materials such as polyester or polyamide. The goal is always to determine the optimum solution for the customer. This is the reason why Mooring Solutions counts on extensive consultation services on site and has delivery services worldwide. The parent company of Mooring Solutions is the Kohlhoff GmbH, which has many years of experience with innovative Dyneema® products and other materials in professional sailing sports, and allows appropriate expertise to flow in.

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Harbour and Offshore Tugs

Dynlce™ tug ropes are an excellent choice to replace steel wire ropes

- lightweight and long lasting tugging ropes for fast harbour towing operations
- far stronger than conventional synthetic tug ropes, stronger than steel and made from Dyneema®

High performance Dynlce™ towing line system for long distance or open sea towings

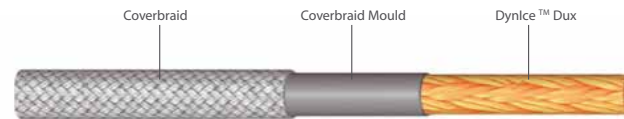
- lightweight and floating
- easily manoeuvrable
- low elongation and backlash
- low energy storage
- high breaking strenght
- more safety



Dynlce™ mooring

Dynlce™ dux mooring and Dynlce™ dux LNG mooring (for gas tanker)

- long lasting high performance mooring ropes for wire replacement (in some harbours steel is not allowed any more)
- easy and lightweight mooring winch ropes which are increasing safety at work and reducing mooring time
- maintenance free and long lifetime



Deep sea operations

Dynlce™ data

- lightweight data transfer cable for deep sea operations
- up to a length of 9000 meters in one continuous piece
- unique and patent pending production process
- advantages compared to steel: no corrosion, spliceable, much lighter, double lifetime

Dynlce™ deep sea ropes

- for extreme deep sea lowering and lifting
- diameters range up to 200 mm and a breaking strength of 2.500 tons



Tug pendants

- single leg pendant or grommet pendant available in Dynlce™ with low elasticity and high strength or in Nylex™ with high elasticity and excellent shock absorbing properties

Nylex™ shock absorber

- elastic nylon rope for limiting peak load operations
- two rope constructions available, conventional 8 strand and double braided 32 strand rope
- according to DNV rules the breaking strength needs to be 1,5 time the breaking strength of the main towing line

Emergency towing system ETS

Complete Emergency Towing systems for vessels 20 - 50.000 DWT and over 50.000 DWT. These kits are in full compliance with resolution MSC.35(63) of the 1994 SOLAS convention and the amendments in MSC.256(84).

The ETS system is stored in heavy duty polyethylene container with strong top cover which is easily and securely closed with rubber straps. The container is prepared for easy bolting on deck.



Heavy lifting

Dynlce™ adjustable sling

- adjustable lifting slings for maximum accuracy and minimal preparation time for complex lifting operations

Dynlce™ Helicopter longlines

- strong and lightweight longlines for aerial lifting
- longlines are protected by removable cover and easily inspected
- optional control cable for hook releasing