EXTREEMA®

HEAVY-LIFT SLINGS

HEAVY LIFT SOFT SLING SOLUTIONS ON- AND OFFSHORE RENEWABLE (WIND) INDUSTRY

VERSION 2020

LIFT-TEX® HIGH PERFORMANCE HEAVY LIFT SLINGS

Lift-Tex® Industrie b.v., based in The Netherlands since 1972, is a ground-breaking and innovative manufacturer specialized in the production and development of synthetic heavy lift soft slings and protections. EXTREEMA® products are being deployed for many years in a whole spectrum of lifting projects, both onshore -and offshore. Nowadays our large and professional well trained distributor network can be found in over 25 countries worldwide.

Ground-breaking and innovative!

A tremendous game-changing product innovation, developed entirely inhouse, is the unique EXTREEMA® range of heavy lift soft slings and protective sleeves produced with high performance fibers such as Dyneema®, the world's strongest fiber™, or general purpose HMPE.

EXTREEMA® heavy lift soft slings and protections are manufactured on state-of-the-art machinery, based on the latest technologies in the industry. Unlike braided fiber ropes, the construction of an EXTREEMA® heavy lift soft sling is based on parallel laid fiber technology that make up the core, creating excellent features and product properties such as;

- High break-load efficiencies
- Extremely small D:d ratios
- Comfortable (small) bending radius
- Excellent length tolerances
- Inspection and repair-ability
- Longer lifespan

Lift-Tex® is the largest supplier of surplus high performance synthetic round slings made with HMPE around the globe. Because of the long-cultivated product development and product innovation by our experienced staff, EXTREEMA® offers a series of round slings and protections in numerous configurations.

Cover and protection

Select the most suitable cover for your EXTREEMA® heavy lift soft sling. The cover keeps the core material together and helps prevent the payload from getting damaged in an early stage, but will not prevent the core to get damaged during use. Protections make the difference between a safe lift or a hazardous lifting operation. Appropriate supplementary EXTREEMA ® protections (on the bearing points, sharp objects etc.) are recommended as stated in the European Standard EN1492-2 for round slings.

Features

Over the past years the growing environmental awareness, knowledge and professionalism in the heavy lift industry shows an increasing demand for EXTREEMA ® heavy lift soft slings and protections. EXTREEMA® heavy lift soft slings are flexible, safe and easy to work with. They reduce environmental pollution and the choice for the right EXTREEMA® construction (core, cover and protections) will significantly drop the total cost of ownership and have proven to be a cost saving investment for challenging heavy lift projects on –and offshore in many industries, such as;

- Offshore renewable industry (load-out, transportation and installation of OWF)
- Offshore oil and gas lifting and installation projects
- Subsea installation, rigging, mooring and lifting projects
- Defense and nuclear industry lifting projects
- Automotive (Renault, Ford, Fiat, VW) lifting projects
- Offshore decommissioning and salvage
- Aerospace

All EXTREEMA® heavy lift soft slings are supplied with a comprehensive "Code of Conduct" user instruction booklet. On demand, a full EXTREEMA® product presentation, training or toolbox meeting can be offered on site or at your office by our well trained product experts.

Over the past couple of years EXTREEMA® heavy lift soft slings have been able to build a strong and proven track record in the heavy lift industry. This brochure gives you an impression of our extensive track record.

NOORDOOSTPOLDER - THE NETHERLANDS

The Noordoostpolder windfarm is located onshore and near shore along the dikes of the IJsselmeer on the western side of the Noordoostpolder. At the time, the 86 wind turbines with blades of nearly 60 meters long of Enercon GmbH were the biggest to be placed on a concrete pedestal of 135 meters height.

EXTREEMA® heavy lift soft slings were used to lift the fully assembled turbine and blades up to 150 meter height to be positioned in one lift. A tremendous cost saving operation improvement for Enercon GmbH.

VEJA MATE - GERMANY

EXTREEMA® heavy lift soft slings were selected for the loadout and installation of 67 monopile foundations on the Veja Mate offshore wind farm at the Eemshaven harbor. These monopiles had a length of 85 meters, a diameter of 8,7 meters and a weight of 1.300t. This prestigious project, first of its kind, was successfully completed on time and in budget.

The complete crew of riggers, lifting engineers and lifting supervisors participated in an instruction training about how to work with EXTREEMA® heavy lift soft slings and learned all about the codes of conduct when working with EXTREEMA® heavy lift soft slings.

HYDROHAMMER LIFT

EXTREEMA® heavy lift soft slings are fit for purpose for lifting jacket structures, foundations, monopiles, wind turbines, nacelles, blades and towers. Nowadays, they are also used for the transportation and positioning of the Hydrohammer.

In the picture the EXTREEMA® heavy lift soft sling (MBL 3200t, EWL 60 meters) is equipped with an additional protection on the lifting pin/axe in order to increase safety and the factor of life. There is no damage to the lifting tool and the EXTREEMA® heavy lift soft sling, being very flexible, was easy to install.

BLOCK ISLAND - USA

The first offshore wind farm in the United States, Block Island, was completed for GE wind USA. This was a 30-MegaWatt project concerning 5 turbines. The EXTREEMA® heavy lift soft slings were used, by Fred Olsen Wind Carrier, for the transport and installation of the nacelles from Alstom/GE Wind in Saint Nazaire (France) to the US coast waters.

A fit for purpose rotating lifting tool was engineered and supplied in combination with EXTREEMA® heavy lift soft slings for perfect balance and positioning conditions under difficult circumstances at sea.

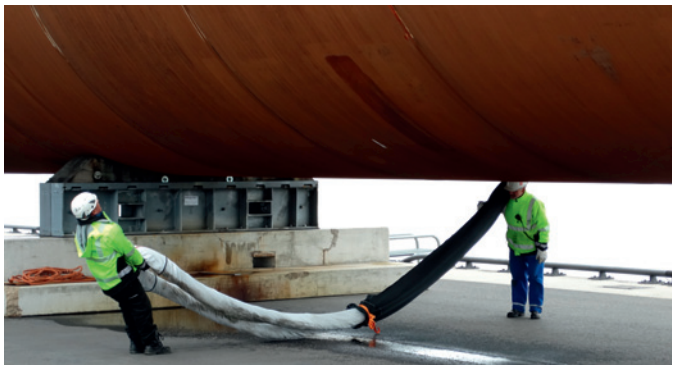
RACE BANK - UNITED KINGDOM

GeoSea's jack-up vessel INNOVATION has installed 91 monopile foundations at ørsted 580-MegaWatt Race Bank wind farm, located along the coast of North Norfolk, UK. The loadout of the monopiles, with a weight up to 840t, took place in Bremerhaven, Germany with a parallel lift of 2 cranes with a lifting capacity of 800t each.

EXTREEMA® heavy lift soft slings were selected to perform the lifting operation, where very precise length tolerances of the slings were required!

PARALLEL LIFT MONOPILE LOADOUT

One of the biggest monopile manufacturers in the renewable energy industry in Germany has taken the next step in saving money on lifting equipment. EXTREEMA® heavy lift soft slings were chosen to equip two separate heavy lift cranes with a WLL of 800t each. Both cranes were used for parallel and single loadout lifts of monopiles with a weight up to 1.100t. Furthermore, the slings were used for heavy lift weight modules, such as converter platforms. As a result of good communication and training, several loadouts have been executed and finished on time and in budget. The slings were covered with black Cordura® protections covering the sling where contact with the monopile could occur. Nowadays, the monopile factory is able to produce monopiles of 2.000t in weight, which are lifted and loaded with the next generation EXTREEMA® heavy lift soft slings.



MERKUR - GERMANY

Merkur offshore wind farm (owf) is one of the largest offshore wind farms along the coast of Germany. The park is located about 45 kilometers North of Borkum. In total this owf generates 400-MegaWatt. EXTREEMA® heavy lift soft slings were chosen to lift and install the monopile foundations. The monopile foundations had a length of 70 meters, a diameter of 8,1 meters and a weight of 1.100t.

The EXTREEMA® heavy lift soft slings have been used to install owf's before, which confirms the added value and return on investment of using EXTREEMA® heavy lift soft slings.

After the de-mobilization of the jack-up vessel installation, the EXTREEMA® heavy lift soft slings were inspected and repaired for future projects. A total of 3.500 lifts were executed with these EXTREEMA® heavy lift soft slings, showing virtually no loss of strength after being tested.

EXTREEMA® heavy lift soft slings show excellent length tolerances, using a multi-leg lifting assembly with a spreader or lifting beam.

GALLOPER - UNITED KINGDOM

EXTREEMA® heavy lift soft slings were used to perform the loadout of monopiles from the BOW terminal in Vlissingen in the Netherlands. EXTREEMA® heavy lift soft slings were chosen to lift and install 56 monopiles of 85 meters long, with a diameter of 7,5 meters and a weight of 1.200t.

The complete loadout and installation was finished on time and in budget. After inspection and repair, EXTREEMA® heavy lift soft slings are now being used at other owf projects, such as Merkur and Rental offshore wind parks.

RENTAL- BELGIUM

The installation vessel INNOVATION, owned by DEME-Group, was mobilized for the transportation of monopiles and mounting transition pieces, manufactured by SiF Group based in Rotterdam. EXTREEMA® heavy lift soft slings were chosen for the loadout of 42 monopiles with a diameter of 8 meters and a weight of 1.250t, and mounting transition pieces with length of 22 meters, a diameter of 6 meters and a weight of 325t.

When the project was finished all EXTREEMA® heavy lift soft slings were inspected, repaired and stored for upcoming heavy lift projects.

EXTREEMA® HEAVY LIFT SOFT SLINGS ARE SUITABLE FOR EVERY LIFTING JOB

Our products are available for payloads from MBL 0,5t up to 8000t and lengths ranging from 0,2 meters to 65 meters. In order to achieve high performance heavy lift soft slings, Lift-Tex® uses modern equipment and both traditional raw materials as well as HMPE or UHMWPE high performance materials, such as Dyneema®, the world's strongest fiber™.

Features of EXTREEMA® heavy soft slings:

- Extremely low weight
- Flexible, soft and easy to handle
- Low elongation
- Good resistance to chemicals
- Do not absorb water
- Cut, abrasion and puncture resistance
- Repair-ability after thorough inspection

Engineering

One of the strengths of Lift-Tex® is the effort our engineers put in finding the right product for each individual lifting job. This does not only save costs for the end user, but also increases the safety of the lifting operation. In case of calculated lifting jobs, our engineering department is of great added value in designing the right product or develop special textile solutions for any specific lifting job.

Service and repair

Lift-Tex® strives to deliver the best service in the industry. One of the tools which makes it possible to provide a high service level is our service team. On request, our service team is able to provide onsite service, inspection and repair on EXTREEMA® heavy lift soft slings.

By making use of this service you can significantly lengthen the factor of life of your EXTREEMA® heavy lift soft sling. A longer lifespan allows you to save costs on the long run. This service has already proven to be a great success with some of our high-profile customers in complex lifting operations.

Contact

EXTREEMA® heavy lift soft slings can be provided in many configurations. Our well-trained staff can help you select the most suitable products, manufactured to your specific needs. Lift-Tex® strives to be a reliable and helpful manufacturer and supplier to the heavy lift industry.

Let EXTREEMA® heavy lift soft slings be your inspiration for management of heavy lifting operations, lifting plans and lifting equipment. Check www.extreemasoftslings.com!

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