



Lloyd's  
Register

# Type Approval Certificate

This is to certify that the undernoted products have been tested with satisfactory results in accordance with relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

<b>PRODUCER</b>	Lanex a.s
<b>PLACE OF PRODUCTION</b>	Hlucinska 96/1 747 23 Bolatice Czech Republic
<b>DESCRIPTION</b>	Marine and offshore mooring ropes of synthetic materials
<b>TYPE</b>	HMPE, Type T POLYS, Type T CRUISER , Type T CRUISER PLUS, Type T TITAN, Type T TITAN PLUS, Type T
<b>APPLICATION</b>	Marine and offshore mooring ropes
<b>STANDARD</b>	BS EN ISO 10556:2009 – Fibre ropes of polyester/polyolefin dual fibres BS EN ISO 9554:2010 – Fibre ropes. General specification BS EN ISO 10572:2009 – Mixed polyolefin fibre ropes EN ISO 10325:2009 – High Modulus Polyethylene – 8 strand braided ropes, 12 strand braided ropes and covered ropes EN ISO 2307:2010 – Determination of certain physical and mechanical properties

<b>Certificate No.</b>	19/00012
<b>Issue Date</b>	28 <sup>th</sup> March 2019
<b>Expiry Date</b>	28 <sup>th</sup> March 2024
<b>Sheet</b>	1 of 3

**TYPE APPROVAL SYSTEM**

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Reviewed for compliance with Lloyd's Register Type Approval System, see the certificate number as shown below:

Certificate Number: 19/00012

Date: 28 March 2019      Initials: [Initials]

[Office Location] Office  
[Discipline]

Mayur Jogia  
Marine Technical & Engineering Services, Southampton  
Lloyd's Register EMEA

LR022.2.2016.07

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS

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**RATINGS**

**HMPE Type T:**  
Diameter (mm): 16mm to 40mm  
Minimum breaking strength (kN): 260.00 to 1260.00  
Make up: 12 strand braided

**POLYS Type T:**  
Diameter (mm): 18mm to 48mm  
Minimum breaking strength (kN): 65.00 to 397.00  
Make up: 12 strand braided

**CRUISER Type T:**  
Diameter (mm): 18mm to 48mm  
Minimum breaking strength (kN): 70.00 to 468.00  
Make up: 12 strand braided

**CRUISER PLUS Type T:**  
Diameter (mm): 16mm to 48mm  
Minimum breaking strength (kN): 73.00 to 553.00  
Make up: 12 strand braided

**TITAN Type T:**  
Diameter (mm): 18mm to 48mm  
Minimum breaking strength (kN): 74.80 to 506.20  
Make up: 12 strand braided

**Certificate No.** 19/00012  
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**Sheet** 2 of 3

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**TITAN PLUS Type T:**

<b>Diameter (mm):</b>	<b>18mm to 44mm</b>
<b>Minimum breaking strength (kN):</b>	<b>84.50 to 507.80</b>
<b>Make up:</b>	<b>12 strand braided</b>

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

The Design Appraisal Document No. and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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