



## MANUFACTURING SURVEY ARRANGEMENT

MSA No:  
**MSA0000B64**  
Revision No:  
**2**

Between "Manufacturer"

**LANEX a.s.**  
**Bolatice, Czech Republic**

and

"DNV"  
**DNV legal entity**  
**Ostrava**

Ref. Recognition Certificate: MSARC0000B64

This Manufacturing Survey Arrangement (MSA) is applicable to  
**Fiber Ropes - more details as per MSA0000B64 Rev.2**  
subject to testing and inspection for conformance with the requirements of DNV Rules, as stated herein.

The MSA implies that the manufacturer is authorised to perform the testing and inspection without the attendance of DNV and to prepare the certificates which will be validated by DNV.

The MSA is valid until **2026-11-19**

The MSA will, however, be invalid if the Recognition Certificate is invalid, or if the manufacturer's Quality System Certificate No. 201216/A/0001/UK/Cz is invalid.

The MSA is governed by DNV's general terms and conditions. These may be provided upon request.

Issued at **Ostrava** on **2022-06-07**

for **LANEX A.S.**

**Alena Zvěřinová**  
**Quality Director**

for **DNV LEGAL ENTITY**

**Pjontek, Tomáš**  
**Senior Surveyor**



## 1. Scope of Work

FIBRE ROPES	Dia Type A	Dia Type B	Dia Type L	Dia Type T	STANDARDS	TECHNICAL CONDITIONS
Polypropylene (PP)	2,5-40	7-40	16-104		EN ISO 1346	TP 021.4/80/05
PP multifilament (PPV)	3-40		16-80		EN ISO 1346	TP 021.4/80/05
Polyester (PES)	3-36		16-96		EN ISO 1141	TP 042.4/80/05
Polyamide (PA)	2-40	20-30	28-104		EN ISO 1140	TP 037.4/80/05
Polyamide HT (PA HT)			40-104		EN ISO 1140	TP 037.4/80/05
POLYS (PP/PE)	3-40	14-40	28-100	18-48	EN ISO 10572	TP 079.5/80/05
CRUISER (PP/PE+PES)	3-40		28-104	18-48	EN ISO 10556	TP 086.5/80/05
CRUISER PLUS (PP/PE+PES)			28-104	16-48	EN ISO 10556	TP 086.5/80/05
TITAN (PES+PP/PE)			28-104	18-44	EN ISO 10556	TP 116.5/80/11
TITAN PLUS (PES+PP/PE)			28-104	18-44	EN ISO 10556	TP 116.5/80/11
MASTER (PP+PES)	18-36		36-96		EN ISO 9554	TP 113.2/80/05
HMPE rope (HMPE)				16-48	EN ISO 10325	TP 127.1/80/18

Rope diameter between as specified type T, type L and type A, B braided and twisted according to these standards and technical conditions, regulations and in accordance with the Rules of DNV.

For the above mentioned product(s) to be certified for conformance with DNV Rules, the following conditions will come into force:

### 1.1 Reference Documents

- I. DNV Rules Pt.2, Pt.3, Ch.11, Sec.1, 3.2.1, Pt.5, Ch.10, Sec.11, 3.6
- II. DNV-ST-0377 and DNV-ST-0378
- II. Quality System Certificate (QSC) No. issued by 201216/A/0001/UK/Cz by United Registrar of Systems
- V. The Manufacturer's documented and accepted procedures for inspection and testing
- Title Testing of ropes and yarns, No Work instruction No.2, Revision 2022.08.16
- Title Sampling and testing of test samples, No Work instruction No.:22, Revision 2022-05-03

### 1.2 Approvals

This MSA does not exempt the manufacturer from obtaining approval of new material grades or re-approval when a new manufacturing process or heat treatment process is introduced.

### 1.3 Testing and Inspection

The verification of correct sampling of test specimen, mechanical testing and inspection are entrusted to the manufacturer on the basis of documented and accepted procedures and the use of qualified personnel familiar with the DNV Rules.

### 1.4 Assessments performed by DNV

Compliance with the conditions agreed in this MSA is subject to control and review by assessing as follows:

- a) Periodical assessments of the MSA function are to be made at 6 months intervals, based on a mutually agreed schedule.

- b) Project-specific assessments or unscheduled spot checks may be made to ensure compliance of the products with Rule requirements.

For this purpose DNV shall at all reasonable times be given access to the manufacturing plant and to the relevant manufacturing documents and records.

#### 1.4.1 Agenda for the MSA assessments

The agenda for the assessments will be proposed by DNV in the notification of the meeting.

The agenda may typically contain:

- a) Organisation, responsibilities and qualifications of relevant personnel.
- b) The efficiency of the implementation of the MSA.
- c) Operational procedures and instructions related to the MSA agreement.
- d) Manufacturing processes, inspection and testing.
- e) Test records.
- f) Castings and forgings materials, properties and applications.
- g) Product marking and traceability and control of non-conforming product.
- h) Claims, question from clients and others.
- i) Review of possible problem areas raised from previous MSA assessments.
- j) Review of reports from Quality System Audits.
- k) Information to be updated.
- l) Statistical results from testing.
- m) Review of the Quality System Audit reports in connection with ISO QSC.
- n) News from DNV.

Any problems found should be handled as non-conformities in the QSC implemented corrective action system. Corrective actions will be re-assessed by DNV.

## 2. Reporting by manufacturer

### 2.1 Manufacturing Records

This includes also detailed reports from testing of ropes, yarns and fillaments and reports/certificates for end attachments, if any.

For certification according to DNV-ST-0377 and DNV-ST-0378, in addition the prepared a F497e certificate shall be submitted to DNV for evaluation.

### 2.2 F497e certificate

For each product to be certified under this agreement, the manufacturer shall prepare a F497e certificate. The certificate shall:

- Fulfil the requirements to a F497e certificate as per DNV Rules.
- Contain all relevant information as required by the DNV Rules.
- Under marking of the product state the DNV certificate no.

A copy of the F497e certificate is to be retained by the manufacturer as quality records for a period of 10 years and make it available to the Surveyor of DNV upon request..

### 2.3 Non-conformances

The manufacturer is to report any deviation from the DNV Rules and this MSA and obtain DNV's written approval prior to dispatch of the product.

### 2.4 Information to DNV

The manufacturer is to report any purchaser requirement, which may extend the scope defined in the DNV Rules. Any additional requirements outside of the DNV Rules are not covered by this MSA.

All customer complaints to products delivered under this MSA agreement shall be reported to the DNV local office. A procedure for reporting of customer complaints has to be established by the manufacturer and approved by DNV. It is up to DNV to decide if further involvement is necessary or not at that time. However, closing of customer complaints reported to DNV and corrective actions implemented by the manufacturer will be discussed under the MSA assessment.



### 3. Reporting by DNV

#### 3.1 Issuance of DNV certificates

DNV will evaluate and release F497e certificate, prepared by the manufacturer. The digitally signed certificate will be sent to the manufacturer.

#### 3.2 Information to manufacturer

DNV will inform the manufacturer of new or amended rules and regulations which would affect the arrangements authorised.

Reserved certificate numbers to be used for certification based on this MSA agreement will be communicated to the manufacturer.

#### 3.3 MSA assessments

After each assessment a report will be prepared by DNV, and distributed to the involved parties.

### 4. Marking for Identification

#### 4.1 Marking

Products which have been satisfactorily tested and inspected shall be marked as required by the DNV Rules. Only those products covered by this arrangement are permitted to be marked with this stamp.

##### Rope identification and Marking:

- a. Label on the reel on both sides. The product/label is further to be marked with DNV certificate number
- b. The rope itself has to include woven-in identification bands (manufacturer identification) and coloured threads for the year of manufacture.

#### 4.2 Handling of the NV-stamp(s)

The manufacturer's signer of the MSA agreement is kept responsible for the NV-stamp(s) provided to them as part of this agreement, and the stamp(s) shall only be used by authorised personnel.

The NV-stamp(s) must not be transferred to subsidiary companies belonging to the same group or any other third party.

A worn out or damaged NV-stamp is to be returned to DNV who will supply a new stamp.

The NV-stamp(s) shall be returned to DNV when the MSA agreement is invalid.

### 5. Monitoring and Administration of the MSA

The DNV Ostrava Office is responsible for:

- 1) Follow up of the MSA through the periodical MSA assessments.
- 2) The regular contact with the manufacturer.
- 3) Review of works certificates.
- 4) Issuing DNV certificates.
- 5) Invoicing.

### 6. Fees and Payment Terms

Certification fees will be charged in accordance with DNV's standard fees for manufacturers holding a certified QSC and having implemented a MSA or in accordance with special written agreements, to be updated annually.

### 7. Regulation for the Certification Services

Regulations with respect to obligations, publications, suspension, withdrawal/cancellation and appeal are given in DNV CLASS PROGRAMME No. DNV-CP-0337 "General description of services for certification of materials and components", Section 2 [7].

## 8. Validity

Any changes in production process, procedures or other matters that may influence the validity of the Recognition Certificate, the MSA agreement or the conditions stated therein are to be submitted to DNV for evaluation.

The MSA will be invalid if:

- a) The Recognition Certificate is invalid.
- b) The DNV Approval of Manufacturer Certificate(s) / Type Approval Certificate(s) is invalid.
- c) The QSC is invalid.
- d) The possible non-conformities from the MSA assessments are not responded to and/or corrective actions are not implemented within the agreed time.
- e) The manufacturer does not comply with the obligations of the MSA agreement.
- e) The certification fees are not paid in due time.

Either party shall have the right to terminate this MSA subject to three months written notice.

## 9. Liability and Indemnity

If any person suffers loss or damage which is proven to have been caused by any negligent act or omission of the Society, the Society shall pay compensation to such person for his proven direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question. The maximum compensation shall never exceed USD 2 million.

In this provision the "Society" shall mean DNV AS as well as its direct and indirect owners, affiliates, subsidiaries, directors, officers, employees, agents and any other person or entity acting on behalf of DNV AS.

## 10. Law and Jurisdiction

This MSA shall be governed and construed in accordance with the laws of Norway.

Any dispute arising in relation to or as a consequence of this MSA, which cannot be settled amicably through negotiations between the parties, shall be subject to the courts of Oslo, Norway.