

Fact Sheet

Product Certification and Identification Procedures

Safety...

What we produce and supply needs special care...
...Care about consequences in case of failure.
It's not just quality, it's safety that matters.

05.05.2010

Since the majority of our products are strictly subjected to safety requirements, we feel it useful to furnish some explanations relating to quality assurance, and traceability aspects. Traceability of processes allows proof of origin and product features, as well as test results. Obligation to produce supporting evidence is legislated, verification requires identifiability of products, hence relevant labelling of these and documentation in files. Stipulations for this purpose are made within the framework of order processing, warehouse management and sales.

In addition to our own Quality Management, national, and international rules, and standards apply, with effects on product accompanying services, like product identification methods, quality, test, and other documentation.

Basic facts within this scope under special consideration of maritime applications, are summarized in the table shown on page two, along with details relating to testing methods, relevant certificates, and identification.

Principal rules, and standards, as well as products concerned, are listed below.

Products

Steel Wire Ropes,
Textile Ropes,
Chains,
Textile Web and Round Slings,
End fittings for these,
Rope Pulleys and Blocks,
Connecting Elements for Ropes, Chains, and Slings.

Used for load handling, cargo securing, mooring and towing (tug operating), signal and rescue equipment, person and material protection, anchoring and supporting guy equipment, conveyor and elevator systems.

Relevant Standards and Rules

DIN EN 00701 Fibre Ropes, General Specifications
DIN EN 00818 Short Link Chains
DIN EN 00919 Fibre Ropes, Mechanical Properties
DIN EN 01261 Fibre Ropes Hemp
DIN EN 01492 Textile Lifting Slings
DIN EN 01677 Hardware Fittings for Lifting Gear
DIN EN 10204 Test Certificates Metallic Products
DIN EN 12195 Cargo Securing Equipment
DIN EN 12385 Steel Wire Ropes
DIN EN 13411 End Terminations of Steel Wire Ropes
DIN EN 13414 Steel Rope Lifting Slings
DIN ISO 0799 Pilot Ladders
DIN ISO 3730 Mooring Winches
DIN ISO 5489 Embarkation Ladders
DIN EN ISO 01968 Fibre Ropes and Cordage, Terms and Definitions
DIN EN ISO 02307 Fibre Ropes, Determination of Physical and Mechanical Properties
DIN EN ISO 09554 Fibre Ropes, General Specification
BGR 500 Operating of Load Handling Devices in Lifting Services
EU Guideline: Directive Machinery 2006/42/EC
IMO Guidelines
Classification Society Rules

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Test and inspection methods

Product Group	Lifting Gear (Persons)		Lifting Gear (Goods)		Mooring and Towing		Cargo Securing	
	Certificate	Identification	Certificate	Identification	Certificate	Identification	Certificate	Identification
Steel Rope	GL LA4	Non-specific (Tape)	GL LA4	Non-specific (Tape)	GL LA4	Non-specific (Tape)	EN 3.2	Non-specific (Tape)
Textile Rope	GL F497	Non-specific (Tape)	GL F497	Non-specific (Tape)	GL F497	Non-specific (Tape)	EU Conformity	
Chain	GL LA3	Specific (Stamp)	GL LA3	Specific (Stamp)	GL LA3	Specific (Stamp)	EN 3.2	Specific (Stamp)
Textile Web and Slings	GL LA3	Specific (Tag)	GL LA3	Specific (Tag)			EU Conformity	Non-specific (Code)
Metal Fittings	GL LA3	Specific (Stamp)	GL LA3	Specific (Stamp)	EN 3.2	Specific (Stamp)	EN 3.2	Specific (Stamp)
Note: Ropes (textile, or steel) do not accept durable stamp, or tag markers, therefore they are equipped with continuous tape markers positioned in the centre of one strand.								

Relevant certificates evidencing inspection performed

EN 2.1

Works' Certificate 2.1 EN 10204

Certification of compliance with order on basis of non-specific test (Random sample tests).

EN 2.2

Test Report 2.2 EN 10204

Certification of compliance with order on basis of non-specific test and test results specified (Production lot sample tests).

GL F497

Test Report F497 Germanischer Lloyd (DNVGL) Textile Ropes

Certification of compliance with order on basis of non-specific test and test results specified (Classification Society Type Approval based production lot sample tests).

GL LA3

Inspection Certificate LA3 Germanischer Lloyd (DNVGL) Lifting Gear

Independent Expert Certification of compliance with order as per test results specified on basis of specific test/s on product/s supplied, existing/agreed inspection terms, technical specification/s and/or rule/s (Supplied part/s individually tested).

GL LA4

Test Report LA4 Germanischer Lloyd (DNVGL) Steel Ropes

Certification of compliance with order on basis of non-specific test and test results specified (Classification Society Type Approval based production lot sample tests).

EN 3.1

Inspection Certificate 3.1 EN 10204

Manufacturer authorized Independent Expert Certification of compliance with order as per test results specified on basis of specific test/s on product/s supplied, existing/agreed inspection terms, technical specification/s and/or rule/s (Supplied part/s individually tested).

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EN 3.2

Inspection Certificate 3.2 EN 10204

Manufacturer and Customer (or by official institution) authorized Independent Expert Certification of compliance with order as per test results specified on basis of specific test/s on product/s supplied, existing/agreed technical specification/s and/or rule/s (Supplied part/s individually tested).

EU Conformity

EU Declaration of Conformity

Certificate declaring that designation, construction, and performance of the Machinery/Equipment specified, is in compliance with the applicable safety and health requirements of the relevant EC Directive.

Identification

Specific (Stamp)

Stamped date and reference number

Specific (Tag)

Tagged date and reference number

Non-specific (Code)

Continuous colour code or yarn marker

Non-specific (Tape)

Year and Type Approval Reference on continuous tape marker inside of rope