

GLOSSARY OF TERMS FOR TESTING AND THIRD PARTY CERTIFICATION

American Bureau of Shipping - (ABS)

American Bureau of Shipping is a third party certification agency. ABS publishes several guidelines for various lifting applications. Some of the most common “lifting” guidelines include the following:

- *Guide for Certification of Crane*
- *Requirements for Certification of Construction and Survey of Cargo Gear on Merchant Vessels*
- *Guide for the Certification of Drilling System*

(This is not intended to be a complete list of guidelines published by ABS.)

A common request is for ABS third party witness of proof test and magnetic particle inspection after proof test.

Depending on the type of certification, requirements may include design review, materials testing, non destructive testing, proof load and special packaging.

When specifying ABS certification, it is necessary to know to which guideline the product is to be certified (i.e., Guide for Certification of Cranes, etc.)

Det Norske Veritas - (DNV)

Det Norske Veritas is an independent foundation established in 1864 for safeguarding life, property and the environment. Along with inspection and advisory services, DNV provides the following three types of certification services

Classification - Certification based on DNV Rules or Certification Note

Statutory Certification - Certification under authority granted by national authorities (i.e., NPD, UK-HSE, Canada, Australia, etc.) according to acts, regulations, statutory instruments given by statutory authorities.

Conformity Certification - Certification to client specifications, national standards or recognized codes. Some of the most common DNV certification rules for lifting are:

- *Rules for Certification of Lifting Appliance*
- *Certification Notes No. 2.7-1 Offshore Containers*
- *Rules for Classification of Mobile Offshore Units Part 6, Chapter 5.*

(This is not intended to be a complete list of DNV Rules.)

Lifting products may require design review, materials testing, non destructive testing, DNV issued Proof Test Certificate (CG3) and DNV issued Certificate of Conformity (C of C)

Type approved products with a Manufacturer’s Survey Agreement (MSA), require all the above except: Design Review, DNV issued Proof Test Certificate (CG3) and DNV issued Certificate of Conformity (C of C). For products certified to 2.7-1 Specification (Offshore Containers), DNV witnesses proof test and issues their Proof Test Certificate (CG3) and Certificate of Conformity (C of C) to the distributor responsible for building the container set. It is the distributor’s responsibility and cost to contact DNV.

When specifying DNV certification, always specify one of the three types of services and, if it is a DNV Rule, which Rule is applicable (i.e., Rules for Certification of Lifting Appliances, etc.).

American Petroleum Institute - (API)

Established in 1919, API writes specifications that are published as aids for the procurement of standardized equipment and materials, as well as instructions to manufacturers of equipment or materials covered by an API specification. Some of the common specifications written by API for “Lifting” are:

- *Specification for Drilling and Production Hoisting Equipment (API Spec 8C)*
- *Specification for Offshore Cranes (API Spec 2C)*
- *Specification for Wire Rope (API Spec 9A)*
- *Specification for Quality Programs (API Spec Q1)*

A standard to which a manufacturer’s quality system must comply in order to state that products are manufactured to API requirements, resulting in permission to apply the API monogram.

When specifying API, it is necessary to know to which API Specifications the product is to be certified (i.e., Specification for Drilling and Production Hoisting Equipment (API Spec 8C), etc.).

Lloyd’s Register of Shipping

A society established in 1760 and recognized under UK laws to provide third party assurance of compliance to plans, specifications, rules, codes and fitness of use by approving designs, surveys and reports. Lloyd’s Register acts on behalf of clients and governments to verify products conform to statutory requirements and provides inspection and advisory services to clients.

Some of the most commonly used Lloyd’s Register certification types include the following:

- *Code for Lifting Appliances in a Marine Environment*
- *Rules and Regulations for the Classification of Ship*
- *Rules and Regulations for the Classification of Mobile Offshore Units*
- *Container Certification Scheme*