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## **Ships and marine technology — Stud-link anchor chains**

*Navires et technologie maritime — Chaînes d'ancre à mailles  
étançonnées*



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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 1704 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 4, *Outfitting and deck machinery*.

This third edition cancels and replaces the second edition (ISO 1704:1991) which has been technically revised as follows.

- Tolerances on the nominal diameter of the links remain the same, but tolerances on other parts of the links have been appropriately adjusted.
- Lengths and tolerances of the combined links have been increased.
- The allowable manufacturing tolerance of all other dimensions has been increased.
- The nominal diameter of a common stud link is shown by  $d$  and the diameter of other links, shackles and swivels given as multiples of  $d$ .
- The swivel type and a series of its dimensions have been added for the convenience of the user. The patented swivel or the swivel with a particular function can be used as a substitute if this is possible in harmony with this International Standard.

# Ships and marine technology — Stud-link anchor chains

## 1 Scope

This International Standard specifies the shape, proportions, dimensions and tolerances of the component parts of stud-link anchor chains.

Any statutory requirements, rules and regulations applicable to the individual ship concerned also apply.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2093:1986, *Electroplated coatings of tin* — Specification and test methods

ISO 2339:1986, *Taper pins, unhardened*

ISO 3828:1984, *Shipbuilding and marine structures — Deck machinery* — Vocabulary

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **chain-shot**

component of an anchor chain consisting of common stud links and joining shackles with a given nominal length (27,5 m or 25 m) in accordance with ISO 3828

### 3.2

#### **common stud link**

basic link of which chain-shot consists

### 3.3

#### **enlarged stud link**

strengthened link that connects a common stud link and the end link, in the case of connecting chain-shots, with a “D” type joining shackle, or connects a common stud link and swivel

### 3.4

#### **end link**

strengthened link that is attached to the ends of chain-shots, in the case of connecting chain-shots, with “D” type joining shackles or the outboard chain-shot with an end shackle

### 3.5

#### **joining shackle**

“D” type joining shackle or Kenter type joining shackle used for connecting chain-shots