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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 19314.9-2019

**Small craft -- Hull construction and scantlings -- Part 9: Sailing
craft appendages**

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

GB/T 19314 "Small boat hull structure and component size" is divided into 9 parts.

--- Part 1. Materials. thermosetting resins, glass fiber reinforced plastics, reference laminates;

--- Part 2. Materials. core materials for embedded structures, embedded materials;

--- Part 3. Materials. steel, aluminum alloy, wood, other materials;

--- Part 4. Workshop and manufacturing;

--- Part 5. Determination of design pressure, design stress and component size of single vessel;

--- Part 6. Structural arrangements and details;

--- Part 7. Determination of the dimensions of multi-hull ship components;

--- Part 8. Rudder;

--- Part 9. Sailboat possession.

This part is the ninth part of GB/T 19314.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part uses the translation method equivalent to ISO 12215-9:2012 "Small boat hull structure and component dimensions - Part 9. Sail boats

Attached.

The documents of our country that have a consistent correspondence with the international documents referenced in this part are as follows.

---GB/T 19916-2005 Main data of small boats (ISO 8666:2002, IDT)

--- GB/T 19314.3-2019 dinghy structure and component dimensions - Part 3. Materials. steel, aluminium alloy, timber and

His materials (ISO 12215-3.2002, IDT)

--- GB/T 20895.2-2007 Assessment and classification of stability and buoyancy of boats - Part 2. hull length not less than 6 m

Sail boat (ISO 12217-2.2002, IDT)

This part is proposed and managed by the National Small Boat Standardization Technical Committee (SAC/TC241).

This section drafted by. China Shipbuilding Industry Comprehensive Technology and Economic Research Institute, China Shipbuilding Corporation, the 708th Institute.

1 Scope

This part of GB/T 19314 specifies the load and ruler of a single sail boat with a length of not more than 24m as measured by ISO 8666.

Inch, including.

- Design stress;
- Structural parts to be evaluated;
- The working condition and design load of the load on the middle insert plate and keel;
- Calculation methods and model construction requirements;
- Measures to meet the requirements.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 19314.5-2019 hull structure and component dimensions - Part 5. singular design pressure, design stress,

Determination of dimensions (ISO 12215-5.2008, IDT)

GB/T 19314.6-2019 hull structure and component dimensions - Part 6. Structural arrangements and details (ISO 12215-6.

2008, IDT)

Mechanical properties of carbon steel and alloy steel fasteners - Part 1. Bolts, screws and screws with special performance grades

Column coarse thread and fine pitch thread

(Mechanical properties of fasteners made of carbon steel and alloy steel-

Part 1. Bolts, screws and studs with specified property classes-Coarse thread and fine pitch thread)

Mechanical properties of corrosion resistant stainless steel fasteners - Part 1. Bolts, screws and studs (Mechanical

Properties of corrosion resistant stainless steel fasteners-Part 1. Bolts, screws and studs)

ISO 8666 dinghy main data (Small craft-Principal data)

ISO 12215-3 hull structure and component dimensions - Part 3. Materials. steel, aluminium alloy, timber and other materials (Small

craft-Hull construction and scantlings-Part 3. Materials-Steel, aluminium alloys, wood, other materials)

ISO 12217-2 Assessment and classification of stability and buoyancy of boats - Part 2.

Sailboats with a hull length not less than 6 m (Small

craft-Stability and buoyancy assessment and categorization-Part 2. Sailing boats of hull length

Greater than or equal to 6m)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Design category design categories

According to the applicable sea conditions and wind power, the design of the boat assessed according to this standard is divided. Assume that the boat is driving correctly, speed and main sea conditions