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

GB/T 19314.3-2019

**Small craft -- Hull construction and scantlings -- Part 3:
Materials: Steel, aluminium alloys, wood, other materials**

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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 third 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 12215-3:2002 "Small boat hull structure and component dimensions Part 3. Materials. steel,

Aluminum alloy, wood, other materials.

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)

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

This section drafted by. China Shipbuilding Corporation, the 7th Eighteenth Institute.

1 Scope

This part of GB/T 19314 applies to materials intended for the manufacture of hulls, superstructures and attachments, in particular.

- Weldable normal-strength and higher-strength hot-rolled steel sheets, wide flat steels, profiles and bars;
- Austenitic stainless steel sheets and profiles;
- Forged aluminum alloy sheets, profiles or extruded profiles;
- Solid wood, plywood or veneer wood;
- Other applicable materials.

Note 1. Other materials may be used in the manufacture of dinghy if it is proven to have sufficient applicability and durability for the intended use.

This section applies to small boats with a hull length (LH) of not more than 24 m in accordance with ISO 8666.

Note 2. The rationale for the preparation of this part of GB/T 19314 is the short-term and long-term durability of the choice of materials in the manufacture of boats for expected loads and environmental conditions.

Sex has a major impact.

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 19314.1-2003 hull structure and component dimensions - Part 1. Materials.
thermosetting resin, glass reinforced

Plastic, reference laminate (ISO 12215-1.2000, IDT)

GB/T 19314.4-2019 hull structure and component dimensions - Part 4. Workshop and manufacturing (ISO 12215-4.2002,

IDT)

ISO 8666.20021) Small boat main data (Smalcraft-Principaldata)

1) This document was not published at the time of ISO 12215-2.2002, and was published

in.2002.

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Durability

The natural intrinsic properties of wood indicate the use of the core material in the open atmosphere without any protection.

Note. The classification of wood durability is listed in Table 1.

3.2

Veneer veneer

Solid wood with a thickness of not more than 5mm in the finished state.