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

GB/T 24953-2010

**Ships and marine technology -- Gyro-compasses for
high-speed craft**

船舶和海上技术 高速船陀螺罗经

(English Translation)

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References

Foreword

This standard is identical with ISO 16328:2001 "Ships and marine technology - Ship gyrocompass high speed" (in English).

This standard is equivalent to translate ISO 16328:2001.

The relative standard ISO 16328:2001 made the following editorial changes.

--- Preface and introduction are not included;

--- "This International Standard" is, to "present standard" in this standard;

--- Reference standard in accordance with national standards for the corresponding adjustment;

--- Identification decimal "and" to ".";

--- Of expression in accordance with the provisions of GB/T 1.1-2000 made editorial changes.

Appendix A of this standard is a normative appendix, Appendix B, Appendix C is informative appendix.

The standard proposed by China State Shipbuilding Corporation.

This standard by the National Standardization Technical Committee boat ocean nautical instruments Technical Committee (SAC/TC12/SC5) centralized.

This standard was drafted. Technical and Economic Research Institute of China Shipbuilding Industry.

1 Scope

This standard specifies the "1974 International Convention for the Safety of Life at Sea," in line with the amended (SOLAS Convention) Chapter X chapter requires a high-speed boat Gyrocompass structure, performance requirements and test methods.

NOTE: In this standard where the reference IMO A.821 (19) Resolutions and IMO A.694 (17) resolutions were printed in italics.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

CB/T 3973-2005 Ships and marine technology - Positioning of magnetic compass on board (ISO 694:2000, IDT) IEC 60945 Maritime navigation and radiocommunication equipment and systems - General requirements for the test results of the test methods and requirements IEC 61162 (all parts) Maritime navigation and radiocommunication equipment and systems - Digital interfaces IMO A.424 (XI) resolution gyro compass performance standards IMO A.694 (17) resolution as the Global Maritime Distress and Safety System (GMDSS) composed of marine radio equipment and electrical parts General requirements for sub navigation aids IMO A.821 (19) resolution high speed craft gyro compass performance standards HSC HSC international rules

3 Terms and Definitions

The following terms and definitions apply to this standard.

Gyrocompass it includes all the basic elements of the design of complete sets of equipment compass. Including gyro compass heading as the combination of sensors and heading letter no transmission system two kinds.

True heading Through the vertical plane through the true meridian and the angle between the horizontal plane perpendicular to the bow and stern baseline.

Note 1: It is true north (000 °) in a clockwise direction of rotation of 360 ° is measured.

Note 2: When the gyro compass on the test bench test, this "true heading" is considered Luo Jing Ji alignment "true heading." In gyrocompass fitted using shift Luo Jingji when moving to correct the alignment device, according to the local latitude corrected.

Stable settled

Compass in a horizontal and stationary state, the difference between the read every 30min any three readings were in a stable state within the range of 0.7 °.

NOTE: Settling time refers to the elapsed between the first three steady start to read to the error in the initial bow recording time.

Stable point heading settlepointheading Compass stable (3.3) after every 10 readings 20min read average.