

ICS 47.020.20

CCS U48



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

GB/T 16305-2009

Replacing GB/T 16305-1996

Torsional vibration absorbers

扭转振动减振器

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Quarantine of the People's Republic of China;
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Foreword

This standard replaces GB/T 16305-1996 "torsional vibration damper." This standard and GB/T 16305-1996 main technical differences are as follows:

- Deletion of the hanging pendulum and reed silicone type torsional vibration damper;
- Reed-type shock absorber oil change oil type shock absorber spring;
- Damper unit dimensions from centimeters to millimeters;
- Added balance and sealing requirements in the request;
- For shock absorber rubber parts complement the specific requirements;
- Static torsion test recommended maximum torque is changed from "triple calibrated torque" to "design twist angle corresponding to the maximum torque";
- Classification damper test device has been adjusted, while adding electronically controlled test device;
- On the "periodic inspection" has been modified. Appendix B of this standard is a normative appendix, Appendix A is an information appendix. The standard proposed by China Shipbuilding Industry Corporation. This standard by the National Standardization Technical Committee diesel marine machinery Technical Committee. This standard was drafted. China Shipbuilding Industry Corporation seventh eleven Institute. The main drafters of this standard. Zhou Jian, Shi Fei, Zhou Yan, Liu Wei, Hu Bin, Jiang Ying small, Wangwei Ci, Mabing Jie. This standard replaces the standards previously issued as follows:
 - GB/T 16305-1996. Torsional vibration damper

1 Scope

GB/T 16305-2009 is the Chinese national standard on torsional vibration absorbers, in the field of shipbuilding and marine structures. The /T suffix marks it as a recommended

standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 9 March 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2009. Classification: ICS 47.020.20, CCS U48. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the torsional vibration damper (hereinafter referred to as the shock absorber) classification, requirements, test methods, inspection rules and signs, storage and Packaging. This standard applies to internal combustion reciprocating shaft (hereinafter referred to as shaft) commonly used in structural type of shock absorber.

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.

GB/T 191 Packaging - Pictorial signs (GB/T 191-2008, ISO 780.1997, MOD)

GB/T 699 high-quality carbon structural steel

GB/T 1176 Cast Copper Alloys conditions (GB/T 1176-1987, neq ISO 1338. 1977)

GB/T 1222-2007 spring steel

GB/T 1303.1 epoxy glass cloth laminate (GB/T 1303.1-1998, neq IEC 60893-3-2.1993)

GB/T 1348 Ductile Iron

GB/T 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch inspection sampling plan (GB/T 2828.1-2003, ISO 2859-1.1999, IDT)

GB/T 2829 periodic inspection Sampling procedures and tables (suitable for process stability test)

GB/T 3077-1999 alloy steel

GB/T 3098.1-2000 Mechanical properties of fasteners Bolts, screws and studs (idt ISO 898-1.1999)

GB/T 3098.2-2000 Mechanical properties of fasteners coarse thread (idt ISO 898-2.1992)

GB/T 6388 transport package shipping mark

GB/T 9239.1 Mechanical vibration steady state (rigid) rotor balance quality requirements -
Part 1. Specification and balance tolerance test (GB/T 9239.1-2006, ISO 1940-1.2003,
IDT)

GB/T 9439 Gray Iron Castings

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