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

中华人民共和国国家标准

GB/T 16507.6-2013

Partial replace GB/T 16507-1996

**Water-tube Boilers—Part 6: Inspection, testing
and acceptance**

水管锅炉

第 6 部分：检验、试验和验收

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Foreword

GB/T 16507 "water-tube boilers" is divided into following eight parts:

- Part 1: General rules;
- Part 2: Materials;
- Part 3: Physical design;
- Part 4: Strength calculation of pressure parts;
- Part 5: Manufacturing;
- Part 6: Inspection, testing and acceptance;
- Part 7: Safety accessories and instruments;
- Part 8: Installation and operation.

This is Part 6 of GB / T 16507.

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

This Part partly replaces the content of Chapter 9 in GB/T 16507-1996. Compared with GB / T16507-1996, the main technical content changes are as follows:

- Inspection, testing and acceptance part becomes an independent branch standard;
- Drafting structure and focus of the standard has been adjusted. Aiming at product features and manufacturing processes of water-tube boilers, focus on product inspection and testing acceptance requirements. There is no longer provision on specific methods of operation for inspection and testing. As its operating requirements have been specified in the relevant standards, unnecessary details are no repeated here.
- According to the requirements of TSG G0001-2012 "boiler safety practice supervision rules", that requirement of welded joints of products shall be made with metallographic phase and fracture specified in 9.9 of the original standard has been canceled.
- Annex A is added;
- Annex B is added.

This Part is proposed by and is under the jurisdiction of the National Standardization Technical Committee of Boiler Pressure Vessel (SAC/TC262).

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This Part replaces the following historical editions issued:

—GB/T16507-1996.

Water-tube boilers

Part 6: inspection, testing and acceptance

1. Scope

This Part of GB/T 16507 provides the inspection, testing and acceptance requirements for water-tube boiler pressure parts and non-pressure parts that are directly connected to them bearing load.

This Part applies to GB/T 16507.1 scoping pressure water tube boiler inspection, testing and acceptance components and non-pressure components directly connected to bear the load.

2. Normative references

The articles contained in the following documents have become this document when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this document.

- GB/T 247 General rule of package mark and certification for steel plates (sheets) and strips
- GB/T 699 Quality carbon structural steels
- GB/T 700 Carbon structural steels
- GB/T 702 Hot-rolled steel bars - Dimensions, shape, weight and tolerances
- GB/T 706 Hot rolled section steel
- GB/T 709 Dimension shape weight and tolerances for hot-rolled steel plates and sheets
- GB/T 710 Hot-rolled quality carbon structural steel sheets and strips
- GB/T 711 Hot-rolled quality carbon structural steel plates sheets and wide strips
- GB 713 Steel plates for boilers and pressure vessels
- GB/T 908 Forged bars - Dimensions shape weight and tolerances
- GB/T 983 Covered electrodes for manual metal arc welding of stainless and heat-resisting steels
- GB/T 984 Hardfacing electrodes for shielded metal arc welding

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