

JB

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

JB/T 10478-2004

Machining allowances and tolerances for rolled rings

热轧环形件机械加工余量及公差

(English Translation)

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1 Scope

This standard specifies the machining allowance and tolerance of hot-rolled rings made of structural steel, tool steel, stainless steel, heat-resistant steel, superalloy, titanium alloy, copper alloy and aluminum alloy through rolling by ring rolling machine.

This standard is applicable to the determination of machining allowance (hereinafter referred to as allowance) and tolerance of hot-rolled rings produced by ring rolling machine, with the maximum outer diameter of not greater than $\phi 5500\text{mm}$, the minimum inner diameter of not less than $1/2$ of the maximum outer diameter and the maximum height of not greater than 700mm .

2 Normative references

The following standard contains provisions which, through reference in this text, constitute provisions of this standard. For dated references, subsequent amendments (excluding corrections) to, or revisions of, any of these publications do not apply to this standard. However, parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies.

GB/T 8541 Terminology of forging and stamping

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in GB/T 8541 as well as the following apply.

3.1 hot-rolled ring

ring forging through hot rolling by the ring rolling machine specially for ring rolling

3.2 excess metal

metal added between some steps or transitions of hot-rolled ring to meet the needs of hot-rolled ring rolling process and simplify the sectional shape of hot-rolled ring, as shown in Figure 1