

ICS 25.160.40

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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 26952-2011

**Non-destructive testing of welds—Magnetic
particle testing of welds—Acceptance levels**

焊缝无损检测 焊缝磁粉检测 验收等级

(ISO 23278:2006, MOD)

Issued on September 29, 2011

Implemented on March 01, 2012

**Issued by General Administration of Quality Supervision, Inspection
and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of
China**

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Foreword

This standard is drafted according to the rules specified in GB/T 1.1-2009

This standard is revision of ISO 23278: 2006 *Non-destructive testing of welds — Magnetic particle testing of welds — Acceptance levels*.

Technical difference and reason between this standard and ISO 23278: 2006 are as follows:

— In order to meet the technical documents in China, specific technical difference haven been changed on normative references, see Clause 2 “Normative References”:

- Replace EN 1330-7 (see Clause 3) by GB/T 12604.5;
- Replace ISO/TS 18173 (see Clause 3) by GB/T 20737 identical to International Standard;
- Replace ISO 17638 (see Clause 1) by GB/T 26951 revision of International Standard;
- Deleted ISO 5817;
- Deleted ISO 17635;
- Deleted EN 1330-2.

This standard is proposed by and under the jurisdiction of National Technical Committee on Welding of Standardization Administration of China (SAC/TC 55).

The responsible drafting organizations of this standard are Shanghai Taisi Inspection Technology Co., Ltd, Shanghai Chengyou Group Co., Ltd, Shanghai Xinmeida Flaw Detection Equipment Co., Ltd, Tianjin Chengxinda Metal Detection Co., Ltd, Harbin Boiler Factory, Shanghai Material Research Institute.

The chief drafting staff of this standard includes Zhang Ping, Jin Yufei, Xia Jianguo, Yang Gui, Zhao Cheng and Wu Qinzhen.

Non-destructive testing of welds—Magnetic particle testing of welds—Acceptance levels

1 Scope

This Standard specifies acceptance levels for indications from imperfections in ferromagnetic steel welds detected by magnetic particle testing.

The acceptance levels are primarily intended for use during manufacture examination, but where appropriate they can be used for in-service inspection.

The acceptance levels in this International Standard are based on detection capabilities that can be expected when using techniques specified in GB/T 26951 and parameters recommended in Annex A. The acceptance levels can be related to welding standards, application standards, specifications or codes.

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 12604.5 Non-destructive testing - Terminology - Terms used in magnetic particle testing

GB/T 20737 Non-destructive testing - General terms and definitions (GB/T 20737-2006, ISO/TS 18173: 2005, IDT)

GB/T 26951 Non-destructive testing of welds—Magnetic particle testing (GB/T 26951-2011, ISO 17638: 2003, MOD)

3 Terms and definitions

For the purpose of this standard, the following terms and definitions given in GB/T 12604.5 and GB/T 20737 shall apply.

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