

ICS 25.160.10

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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 19867.2-2008

Welding procedure specification for gas welding

气焊焊接工艺规程

(ISO 15609-2: 2001, Specification and qualification of welding procedures for metallic materials—Welding procedure specification—Part 2: Gas welding, IDT)

Issued on Mar 31, 2008

Implemented on Sept 01, 2008

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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Forward

GB/T 19867 consists of five parts:

- Part 1: Welding procedure specification for arc welding;
- Part 2: Welding procedure specification for gas welding;
- Part 3: Welding procedure specification for electron beam welding;
- Part 4: Welding procedure specification for laser beam welding;
- Part 5: Welding procedure specification for resistance welding.

This Code is part 2 of GB/T 19867.

This Code is identical to ISO 15609-2: 2001 *Specification and qualification of welding procedures for metallic materials -- Welding procedure specification -- Part 2: Gas welding* (English version)

This Code is identical to translate ISO 15609-2: 2001. In order to ensure the coordination and maneuverability of this Standard, it made necessary changes for this Standard when refers to ISO.

- Deleted the Foreword of International Standard;
- Changed the standard name as “*Welding procedure specification for gas welding*”;
- For other International Standard to be referred in ISO 15609-2: 2001, replaced the International Standard by corresponding National Standard, if there is not identical standard, direct use International Standard;
- Added the GB/T 3375 *Welding terminology* to normative references;
- Added the Annex B, for explanation of classification of related materials;

The Annex A and B of this Code are informative annex.

This Code is proposed and under the jurisdiction of National Welding Standardization Technical Committee.

Main draft units of this Code are Harbin Welding Research Institute, Beijing Grid Construction Co., Ltd and Harbin Welding Technical Training Center.

Main drafters of this Code are Piao Dongguang, Ren Yongning and Wang Lin.

Welding procedure specification for gas welding

1 Scope

This Part of GB/T 19867 specifies requirements for the content of welding procedure specifications for gas welding processes. This Part is applicable to gas welding methods.

2 Normative References

The provisions of the following GB/T 19867 become provisions of this Standard after being referenced. For dated reference documents, all later amendments (excluding corrigendum) and versions do not apply to this Standard; however, the parties to the agreement are encouraged to study whether the latest versions of these documents are applicable. For undated reference documents, the latest versions apply.

GB/T 3375 Welding Terms

GB/T 5185 Welding, brazing, braze welding and soldering of metals -- List of processes for symbolic representation on drawings (GB/T 5185-2005, ISO 4063: 1998, IDT)

GB/T 16672-1996 Welds-Working positions-Definitions of angles of slope and rotation (GB/T 16672-1996, idt ISO 6947: 1993)

GB/T 19866 Specification and qualification of welding procedures for metallic materials — General rules (GB/T 19866-20055, ISO 15607: 2003, IDT)

ISO/TR 15608 Welding -- Guidelines for a metallic materials grouping system

3 Terms and Definitions

For the purposes of this document, the terms and definitions given in GB/T 3375 and GB/T 19866 apply

4 Technical Content of Welding Procedure Specification (WPS)

4.1 General

A preliminary Welding Procedure Specification / Welding Procedure Specification (WPS) shall provide all necessary information required to make a weld. The information required in a pWPS /WPS is given in 4.2 to 4.4. For some applications it may be necessary to supplement or reduce the list.

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