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CCS J32



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

GB/T 15825.1-2008

Replacing GB/T 15825.1-1995

**Sheet metal formability and test methods - Part 1: Formability
and indexes**

金属薄板成形性能与试验方法 第1部分：成形性能和指标

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Foreword

GB/T 15825 "Performance and test methods for sheet metal forming" is divided into eight sections.

- Part 1. formability and indicators;
- Part 2. General test procedures;
- Part 3. drawing and drawing load test;
- Part 4. reaming test;
- Part 5. bending test;
- Part 6. Cone cup test;
- Part 7. Test lug;
- Part 8. Forming Limit Diagram (FLD) Determination Guide. This part of GB/T 15825 Part 1. This Part replaces GB/T 15825.1-1995 "Sheet metal formability and test methods formability and indicators." Section compared with the GB/T 15825.1-1995, major changes in the following.
 - Added "foreword";
 - Redefined the scope of this section;
- 2 Normative references" added ISO /T R14936.1998;
- 3.1, the "stamping" to "stamping process";
- Original standard "narrow formability 4.2" to "

1 Scope

GB/T 15825.1-2008 is the Chinese national standard on sheet metal formability and test methods - part 1: formability and indexes, in the field of metallurgy. 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 23 December 2008 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 June 2009.

Classification: ICS 77.040.10, CCS J32. 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.

GB/T 15825 provisions of this part of the parameters, indicators and corresponding testing method for metal sheet forming properties. This section applies to guide the metal sheet forming the selection and application performance and test methods.

2 Normative references

The following documents contain provisions which, through reference

GB/T 15825 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 4156 Metallic materials - Sheet and strip - Erichsen cupping test (GB/T 4156-2007, ISO 20482.2003, IDT) 2006, IDT)

GB/T 5028 Standard Test Method for thin sheet metal and strain hardening exponent (like value) (

GB/T 5028-1999 with stretching, eqv ISO 10275. 1993)

GB/T 15825.2 sheet metal formability and test methods - Part 2. General test procedures

GB/T 15825.3 sheet metal formability and test methods - Part 3. drawing and drawing load test

GB/T 15825.4 sheet metal formability and test methods - Part 4. Test reaming

GB/T 15825.5 sheet metal formability and test methods - Part 5. bending test

GB/T 15825.6 sheet metal formability and test methods - Part 6. Cone cup test

GB/T 15825.7 sheet metal formability and test methods - Part 7. Test lug

GB/T 15825.8 sheet metal formability and test methods - Part 8. Forming Limit Diagram (FLD) Determination Guide ISO /T R14936.1998 metallic material strain analysis report

3 Terms and Definitions

The following terms and definitions apply to this section.

3.1 For sheet metal stamping ability to adapt to the process of forming.

3.2 From the forming geometry and physical properties of technical similarity of view, the various metal forming processes and process conditions designed typification test.