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

GB/T 15825.7-2008

Replacing GB/T 15825.7-1995

Sheet metal formability and test methods - Part 7: Earing test

金属薄板成形性能与试验方法 第7部分：凸耳试验

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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 7. This Part replaces GB/T 15825.7-1995 "Sheet metal formability and test methods - Earing test." Section compared with the GB/T 15825.7-1995, major changes in the following.

--- Added "foreword";

2 Normative references" added GB/T 4340.1;

--- Text reference ISO 11531.1994 Content "metal material lug test" (in English), the original standard part of the test gauge Given as part of this Appendix A;

--- In Appendix A to the original standards were editorial changes. This section of Appendix A normative appendix. This part is proposed by China Machinery Industry Federation. This part of the National Standardization Technical Committee centralized forging. This section is drafted. Zhengzhou University, Wuhan University, Huazhong University of Science and Technology, Beijing University of Aeronautics and Astronautics, Dongfeng Motor Die

stamping Ltd., Baoshan Iron and Steel Corporation. The main drafters of this section. Cao deep, Jiang Kuihua, Waring, Huang Shangyu, Mao Huajie, Li Zhigang, Li Xing, Li Jianhua, Chen Xinping. This part of the standard replaces the previous editions are.

--- GB/T 15825.7-1995. Performance and test methods for metal sheet forming Part 7. Test lug

1 Scope

GB/T 15825.7-2008 is the Chinese national standard on sheet metal formability and test methods - part 7: earing test, 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.

This section GB/T 15825 in the provisions of the lugs and lug height ratio as an indicator of Ze sheet metal plane plastic anisotropy test method. This section applies to the thickness of the sheet metal of 0.10mm ~ 3.00mm.

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 15825.2-2008 sheet metal formability and test methods - Part 2. General test procedures

GB/T 4340.1 Vickers hardness test - Part 1. Test method (GB/T 4340.1-1999, eqv

ISO 6507-1. 1997) 3 symbols, names and units Symbols, names and units are shown in Table 1, Figures 1 and 2. Table 1 symbol, name and unit Symbol Name Unit Ze lug rate (average height and average lug lug Valley high percentage)% D0 specimen diameter mm Dd die diameter mm Fc BHF N Fcmin minimum BHF N