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GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 77.160

H 16

GB/T 1817-2017

Replacing GB/T 1817-1995

**Test Method for Impact Toughness of Cemented Carbides at
Room Temperature**

硬质合金常温冲击韧性试验方法

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Quarantine;**

Standardization Administration of the People's Republic of China.

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Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard replaced GB/T 1817-1995 *Test Method of Impact Ductility for Hard Metal Alloys at Room Temperature*.

Compared with GB/T 1817-1995, the major technical changes of this Standard are as follows:

- Add normative references;
- Modify the statement of principle;
- Delete the deflection requirement;
- Add the specimen parallelism requirement;
- Add the tolerance requirement for the anvil span;
- Add the test environment temperature requirement.

This Standard was proposed by China Non-Ferrous Metals Industry Association.

This Standard shall be under the jurisdiction of National Technical Committee on Non-Ferrous Metals of Standardization Administration of China (SAC/TC 243).

Chief drafting organizations of this Standard: Zigong Cemented Carbide Co., Ltd.; Zhuzhou Cemented Carbide Group Co., Ltd.; and Shenzhen Zhucheng Science and Technology Co., Ltd.

Chief drafting staffs of this Standard: Qiu Yong, Cao Wanli, Jian Yumei, Luo Xiaojun, Li Jun, Meng Shihe, Liu Tiemei, and Zhang Yue.

The historical editions replaced by this Standard are as follows:

- GB 1817-1979, GB/T 1817-1995.

Test Method for Impact Toughness of Cemented Carbides at Room Temperature

1 Scope

This Standard specifies the test method for impact toughness of cemented carbide at room temperature.

This Standard is applicable to the determination of the impact toughness of cemented carbide materials at room temperature.

2 Normative References

The following documents are essential to the application of this Document. For the dated documents, only the versions with the dates indicated are applicable to this Document; for the undated documents, only the latest version (including all the amendments) is applicable to this Document.

GB/T 3808 Verification of pendulum-type impact testing machines

GB/T 8170 Rules of rounding off for numerical values & expression and judgement of limiting values

JJG 145 Verification Regulation of Pendulum Impact Testing Machines

3 Symbols and Definitions

The symbols and definitions of this Standard can refer to Table 1.

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