



National Standard of the People's Republic of China

GB/T 3077-1999

合金结构钢

Alloy structure steels

Issue date: November 1, 1999

Implementation date: August 1, 2000

Issued by China State Bureau of Quality and Technical Supervision

Foreword

This standard revises the GB/T 3077-1998 “the alloy structure steels technical condition” .

This revision revises the following technical contents on this standard:

- The standard title is changed “the alloy structure steels”;
- Can provide the rod greater than 250mm by the supplier and purchaser consulting;
- Added a chapter “ordering content”;
- Added the uniform numerical designation for the sign designation and trademark of the steel product ;
- Delete five trademarks for example the 30Mn2MoW,20Mn2B,20SiMnVB,20Cr3MoWVA,20CrV and so all, add self-development 18CrMnNiMoA of our country;
- Add the upper limitation of the content of the stated remnant molybdenum;
- Delete the 3.1.1.3,3.1.1.5,3.5.2.1 and 3.5.2.2 clause in the former standard ;
- Adjust properly the heat treatment process and heat treatment parameter of the separate trademark in Table 3;

This standard replaces the GB/T 3077-1998 “alloy structure steels technical condition” from the execution day.

The State Bureau of Metallurgical Industry puts this standard forward.

This standard is resided with a line of occupation by The Whole Country Technical Committee of Standardization for Steel.

The main drafting units of this standard are Special Steel Co .Ltd of large metallurgy, Information Standard Institute of Metallurgical Ministry, ShangHai Five Steel (group) limited company.

The main draftsmen of this standard are Fangjun, Liuwende, Luanyan, Hanguoliang, and Chenchangxi.

This standard first issued in May 1982, first revised in February 1988.

The number one revision of GB.T3077-1999 “alloy structure steels ”

The State Bureau of Quality and Technical Supervision authorize this revision according to the [2000] 171 number clause for the standard letter of the quality and technology supervision on September 26, 2000. Execute on January 1st, 2001.

-
1. “...Only need add “A” or “B” sign on the back of the trademark revised ” is changed “...only need add “A” or “E” sign on the back of the trademark revised” in the notation 2 of Table 1.
 2. The “HB100/3000”is changed “HB10/3000” in Table 3.
 3. The backfire heating temperature of the 20MnMoB steel is changed from “2000℃” to “200℃” in the serial 19 of Table 3.
 4. The “sampling number” of the “ultrasonic detection” is changed from “gradual radix” to “2” in the 13 item of Table 7.

National Standard of the People's Republic of China

GB/T 3077-1999

Replaced GB/T3077-1998

Alloy structure steels

1 Scope

This standard specifies the dimension, shape, weight and permissible deviation, technical requirement, test method, check rule, packaging, sign and quality certificate and so all for alloy structure steels of the hot rolling and forging.

This standard is applicable to the alloy structure steel bar whose diameter and thickness is no more than 250mm. Also can provide the alloy structure steel bar whose diameter and thickness is more than 250mm by supplier and purchaser consulting.

The trademark and chemical constitute contained by this standard also are applicable to the steel ingot, billet and their product.

2 Normative References

The clauses contained by the following standards formed the clauses of this standard by being quoted in this standard. When this standard is published, the editions showed are effective. All the standards will be revised; each who uses this standard should discuss the possibility using the newest edition of the following standard.

GB/T 222-1984 the sampling method of the sample and chemical constitute permissible deviation of the finished product used by the chemistry analysis

GB/T 224-1984 The menstruation method for the decarburization layer depth of the steel

GB/T 225-1988 The test method for the end quenching of the steel harden ability

GB/T 226-1991 The aciding check method for the macrostructure and defection of the steel

GB/T 228-1987 The tension test method of the metal

GB/T 229-1994 The impact test method for the charpy gap of the metal

GB/T 231-1984 The test method for the Brielle hardness of the metal

GB/T 233-1982 The upsetting test method of the method

GB/T 702-1986 The dimension, shape, weight and permissible deviation of the hot rolling round and square steel

GB/T 908-1987 the dimension, shape, weight and permissible deviation of the forging round and square steel

GB/T 1979-1980 the macrostructure and defection rating figure of the structure steel

GB/T 2101-1989 the general specification for the checking and accepting, packaging, sign and quality certificate of the structural steel

GB/T 2975-1998 the sampling position of test and sample preparation for the mechanical property of the steel and its product

GB/T 4336-1984 the photo electricity emission spectrometry analysis method of the carbon steel and middle and low-alloy steel

GB/T 6397-1986 the sample for the tension test of the metal

GB/T 7736-1987 the ultrasonic inspection for the macrostructure and defection of the steel

GB/T 10561-1989 the micro leveling method of the nonmetal impurity in the steel

GB/T 13299-1991 the leveling method of the microscopic structure in the steel

GB/T 15711-1995 the aciding check method for the tower hair of the steel product



北京文心雕语翻译有限公司
Beijing Lancarver Translation Inc.

完整版本请在线下单

或咨询：

TEL: 400-678-1309

QQ: 19315219

Email: info@lancarver.com

<http://www.lancarver.com>

线下付款方式：

1. 对公账户：

单位名称：北京文心雕语翻译有限公司

开户行：中国工商银行北京清河镇支行

账 号：0200 1486 0900 0006 131

2. 支付宝账户：info@lancarver.com

注：付款成功后，请预留电邮，完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱，如需索取发票，下单成功后的三个工作日内安排开具并寄出，预祝合作愉快！



银联特约商户