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**Ferro-Metallurgical Professional Standard of People's
Republic China**

中华人民共和国黑色冶金行业标准

YB/T 5137—2007

Replace YB/T 5137—1998

**Round blank of hot-rolled and forged seamless steel
tube for high pressure**

高压用热轧和锻制无缝钢管圆管坯

Issued on March 06, 2007

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Issued by the State Economic and Trade Commission

Foreword

This Standard will replace YB/T 5137-1998 *Round blank of seamless steel tube for high pressure*.

Comparison with YB/T 5137-1998, main changes of this Standard are as follows:

- Changed the title of Standard as *Round blank of hot-rolled and forged seamless steel tube for high pressure*, cancelled the provisions for continuous casting round blank;
- Steel designation direct reference to designation of steel standards;
- Added GB 5310, GB 6479, GB 9948 and GB 18248 into Normative References;
- Added the “Order contents”;
- Changed the diameter, normal lengths, cutting slope, shape and dimension of round blank;
- Cancelled the designation example and open-health process;
- For steel, changed the smelting method, macrostructure, microstructure, surface quality, etc.

This Standard is proposed by China Iron and Steel Association.

This Standard This Standard is under the jurisdiction of National Technical Committee on Iron and Steel of Standardization Administration of China.

Draft units of this Standard are Jiangyin Xingcheng Special Iron & Steel Co., Ltd, China Metallurgical Information and Standardization Research Institute and Baosteel.

Chief drafters of this Standard are Liu Zeyan, Li Guozhong, Guo Yan, Feng Chao, Ge Longgui and Xu Qing.

Round blank of hot-rolled and forged seamless steel tube for high pressure

1 Scope

This Standard specifies the dimensions, shape, weight, permissible deviation, technical requirements, test methods, inspection rules, packaging, marking and quality certificate of round blank of hot-rolled and forged seamless steel tube for high pressure.

The standard applies to manufacturing of high-quality hot-rolled and forged round blank made of carbon steel, low alloy structural steel, alloy structural steel and stainless and heat resistant steel for seamless steel tubes which are applied in boilers, fertilizer equipment, petroleum cracking devices, etc with high pressure and above.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 222 Steel Sampling for Chemical Analysis and allowable Variation of Chemical Compositions of Steel Products

GB/T 223.5 Steel and iron - Determination of acid-soluble silicon and total silicon content - Reduced molybdsilicate spectrophotometric method

GB/T 223.10 Chemical Analysis Method for Steel & Iron and their Alloys Determination of Aluminum contents by cupferron separation-chromazurine s photometric method

GB/T 223.11 Chemical Analysis Method for Steel & Iron and their Alloys Determination of Chromium Contents by (NH₄)₂S₂O₈ Oxidation Volume Method

GB/T 223.12 Methods for chemical analysis of iron, steel and alloy The sodium carbonate separation-diphenyl carbazide photometric method for the determination of chromium content

GB/T 223.14 Methods for chemical analysis of iron, steel and alloy — The N-benzoy-N-phenylhydroxylamine extraction photometric method for the determination of

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