

ICS 77.140.50

H 46



National Standard of the People's Republic of China

GB/T 3280—2015

Replace GB/T 3280 - 2007

Cold rolled stainless steel plate, sheet and strip

Released on September 11, 2015

Implemented on June 1, 2016

**Issued by General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China**

Released by Standardization Administration of the People's Republic of China

Contents

Preface	III
1 Scope	1
2 Normative reference documents	1
3 Category and code	3
4 Order content	4
5 Size, shape, weight and allowable deviation	4
6 Technical requirements	12
7 Test method.....	31
8 Inspection rules.....	33
9 Package, mark, and quality certificate	34
Appendix A (Informative appendix) Comparison Table of Stainless Steel Grades in Each Country	35
Appendix B (Informative appendix) Characteristics and usages of stainless steel.....	40
Appendix C (Informative appendix) Heat treatment system of stainless steel	51

Preface

This Standard is drafted according to the rules specified in GB/T 1.1-2009.

This Standard replaces GB/T 3280—2007 *Cold Rolled Stainless Steel Plate and Strip*. Compared with GB/T 3280—2007 standard, major technical changes as follows:

- “3/4 cold hardening status” is added in the classification;
- “Boundary situation” is added in ordering content;
- Dimensional precision of steel plates and strips is adjusted;
- Unevenness of rolled steel strip II is modified;
- 23 grades and relevant technical requirements are added;
- Chemical compositions for 5 grades are adjusted;
- Mechanical property for 13 grades are adjusted; and partial HV hardness is supplemented;
- Original grade 022Cr18NbTi is modified into 022Cr18Nb;
- Test sample for percentage elongation after fracture of steel plates and stripes with hardness less than 3mm is modified into A_{s0} mm;
- 2E surface processing type is added;
- Modified re-inspection and determination rules;
- Provisions on rounding off of mechanical property and chemical composition test results are added;
- appendix A - *Comparison Table of Stainless Steel Grades in Each Country* (informative appendix) is added.

This Standard is proposed by China Iron and Steel Association.

This Standard is under the jurisdiction of National Technical Committee on Steel Standardization (SAC/C 183).

This Standard is mainly drafted by: Shanxi Taigang Stainless Steel Co., Ltd., BaoSteel Stainless Steel Co., Ltd., China Metallurgical Information and Standardization Institute, Sichuan Southwest Stainless Steel Co., Ltd., Ningbo Baoxin Stainless Steel Co., Ltd., Shandong Taishan Steel Group

Main drafters of this Standard: Wu Qiang, Zhang Jingjing, Xu Zhongjie, Dong Li, Wang Jun, Wu Zhuxian, Chen Peidun, Sun Mingshan, Wang Xiaohu, Ji Dengping, Li Liuyi, Wang Chuandong, Luan Yan, Zhang Weixu.

The release conditions of the previous standard versions replaced by this Standard are described as follows:

- GB 3280—1984, GB/T 3280—1992, GB/T 3280—2007;
- GB 4239—1984, GB/T 4239—1991.

Cold rolled stainless steel plate, sheet and strip

1 Scope

This Standard specifies classification and code, ordering content, dimension, appearance, weight and allowable variation, technical requirements, test methods, inspection rules, package, marks, quality certificate for cold rolled stainless steel plates and strips.

This Standard is applicable to corrosion-resistant cold-rolled wide stainless steel strip (hereinafter referred to as wide steel strip) and rolled cut-to-length steel plate (hereinafter referred to as rolled steel plate), cold-rolled splitting wide steel strip (hereinafter referred to as splitting wide steel strip) and rolled cut-to-length steel strip (hereinafter referred to as rolled steel strip I), cold-rolled narrow steel strip (hereinafter referred to as narrow steel strip) and rolled cut-to-length steel strip (hereinafter referred to as rolled steel strip II). It is also applicable to singly rolled steel plate.

2 Normative reference documents

The following documents are indispensable for the application of this document. For the dated reference documents, only the dated version is applicable to this document. For the undated references, the latest version (including all modification lists) is applicable to this document.

GB/T 222 Allowable deviation for chemical components of finished steel products

GB/T 223.3 Methods for chemical analysis of steel and alloy Diantipyrylmethane phosphomolybdate acid gravimetric method for the determination of phosphorus content

GB/T 223.4 Steel and alloy Determination of manganese content Potentiometric titration or visual titration method

GB/T 223.5 Iron and steel Determination of the content of acid soluble silicon and total silicon Reduction type silicomolybdate spectrophotometry

GB/T 223.8 Methods for chemical analysis of steel and alloy Sodium fluoride separation - EDTA titrimetric method for the determination of aluminum content

GB/T 223.9 Steel and alloy Determination of aluminum content Chromazurine S spectrophotometry

GB/T 223.11 Steel and alloy Determination of chromium content Visual titration or potentiometric method.

GB/T 223.16 Methods for chemical analysis of steel and alloy Chromotropic acid photometric method for the determination of titanium content

GB/T 223.18 Methods for chemical analysis of steel and alloy Sodium thiosulfate separation -

GB/T 3280—2015

iodometric method for the determination of copper content

GB/T 223.19 Methods for chemical analysis of steel and alloy 2,9-dimethyl-1,10-phenanthroline-trichloromethane extraction spectrophotometric method for the determination of copper content

GB/T 223.23 Steel and alloy Determination of nickel content Dimethylglyoxime spectrophotometry

GB/T 223.25 Methods for chemical analysis of steel and alloy Dimethylglyoxime gravimetric method for the determination of nickel content

GB/T 223.26 Steel and alloy Determination of molybdenum content Thiocyanate spectrophotometry

GB/T 223.28 Methods for chemical analysis of steel and alloy a-benzoin oxime gravimetric method for the determination of molybdenum content

GB/T 223.33 Methods for chemical analysis of steel and alloy Extraction separation-chlorophosphonazo mA spectrophotometric method for the determination of cerium content

GB/T 223.36 Methods for chemical analysis of steel and alloy Distillation separation - neutralization titrimetric method for the determination of nitrogen content

GB/T 223.40 Iron and steel and alloy Determination of niobium content Sulfochlorophenol S spectrophotometry

GB/T 223.53 Methods for chemical analysis of steel and alloy Flame atomic absorption spectrophotometry for the determination of copper content

GB/T 223.58 Methods for chemical analysis of steel and alloy Sodium arsenite - sodium nitrite titrimetric method for the determination of manganese content

GB/T 223.60 Methods for chemical analysis of steel and alloy Perchloric acid dehydration gravimetric method for the determination of silicon content

GB/T 223.61 Methods for chemical analysis of steel and alloy Ammonium phosphomolybdate volumetric method for the determination of phosphorus content

GB/T 223.68 Methods for chemical analysis of steel and alloy Potassium iodate titrimetric method after combustion in tube furnace for the determination of sulfur content

GB/T 223.69 Steel and alloy Determination of carbon content Gas capacity method in tube furnace after combustion.

GB/T 228.1 Metal materials Tensile test Party 1: room temperature test method

GB/T 230.1 Metallic materials Rockwell hardness test Part 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T)

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：中国工商银行北京北沙滩支行

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