

GB

National Standards of the People's Republic of China

GB 6479-2000

neq ISO 9329-2 : 1997

In placed of GB 6479-1986

高压化肥设备用无缝钢管

Seamless steel tubes for high-pressure chemical fertilizer equipments

Issued on Oct 25, 2000

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

Foreword

This National standard is not equivalent to ISO 9329-2:1997 Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 2: Unalloyed and alloyed steels with specified elevated temperature properties.

This standard is stricter than the international standard in such indexes as the allowable deviation of dimension, bending and flattening deformation coefficient of the steel tubes and equivalent to it in the index of mechanical performance.

The following provisions have been modified in this standard over its previous edition.

1 The index of allowable deviation of dimension was modified. The specifications listed in Table 1 of GB/T 17395-1998 were quoted instead of the dimension specifications listed in Table 1 of the original standard;

2 The designation 12SiMoVNb was added and the phosphorus and sulfur contents in each designation were modified.

3 The delivery state of the steel tubes was supplemented.

4 The provision of replacing hydraulic test with magnetic flux leakage test was added and the provision of replacing hydraulic test with ultrasonic testing was cancelled.

5 The provision of conducting flattening test for steel tubes with an outer diameter of greater than 400mm was cancelled.

6 The macroscopic test requirement for steel tubes rolled with steel ingots and the non-metallic inclusion test requirement for steel tubes rolled with continuous casting billets and steel ingots were added.

7 The classes of ultrasonic testing were specified in detail.

This standard will replace GB 6479-1986 High-pressure seamless steel tubes for chemical fertilizer equipments from the implementation date.

This standard was proposed by State Bureau of Metallurgical Industry.

This standard is under the jurisdiction of National Technical Committee for Steel Standardization.

This standard was drafted by Anshan Iron and Steel Company and Chengdu Seamless Steel Tube Co., Ltd.

The main drafters of this standard are Piao Zhimin, Tong Changfu, Wu Keping, Xu Yongmei and Feng Wenhua.

This standard was first issued in Jun, 1986.

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1 Scope

This standard specifies the dimension, shape, weight, technical requirements, test methods, inspection rules, packing, marking and quality certification of seamless steel tubes for high-pressure chemical fertilizer equipments.

This standard is applicable to quality carbon steel, low alloy steel and alloy steel seamless tubes for high-pressure chemical fertilizer equipments and pipelines as well as for other chemical equipments.

2 Normative References

The following provisions contain provisions which, through reference in this text, constitute provisions of this standard. For dated reference, subsequent amendments to, or revisions of (excluding corrigendum contents), or Revised Edition do not apply. However, it is encouraged that every part of this standard to research the latest edition of these documents. For undated references, the latest edition of the normative document referred to applies.

GB/T 222-1984 Method of sampling steel for determination of chemical composition and permissible variations for product analysis

GB/T 223.5-1997 Methods for chemical analysis of iron, steel and alloy The reduced molybdosilicate spectrophotometric method for the determination of acid-soluble silicon content

GB/T 223.11-1991 Methods for chemical analysis of iron, steel and alloy--The ammonium persulfate oxidation volumetric method for the determination of chromium content

GB/T 223.14-1989 Methods for chemical analysis of iron, steel and alloy--The N-benzoyl-N-phenylhydroxylamine extraction photometric method for the determination of vanadium content

GB/T 223.19-1989 Methods for chemical analysis of iron, steel and alloy--The neocuproine-chloroform extraction photometric method for the determination of copper content

GB/T 223.23-1994 Methods for chemical analysis of iron, steel and alloy--The dimethylglyoxime spectrophotometric method for the determination of nickel content

GB/T 223.26-1989 Methods for chemical analysis of iron, steel and alloy--The thiocyanate direct photometric method for the determination of molybdenum content

GB/T 223.40-1985 Methods for chemical analysis of iron, steel and alloy--The anion-exchange separation – sulphochlorophenol S photometric method for the determination of niobium content

GB/T 223.43-1994 Methods for chemical analysis of iron, steel and alloy--Determination of tungsten content

GB/T 223.58-1987 Methods for chemical analysis of iron, steel and alloy--The sodium arsenite-sodium nitrite titrimetric method for the determination of manganese content

GB/T 223.59-1987 Methods for chemical analysis of iron, steel and alloy--The reduced

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