

ICS 77.140.60
CCS H 44



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 33958-2017

**Wire rods for pipe line steel SAW electrodes
(English Translation)**

Issued on: July 12, 2017

Implemented on: April 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the PRC**

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1 Scope

This Standard specifies the designation, order content, dimension, shape, mass and tolerance, technical requirements, test methods, inspection rules, packaging, marking, and quality certificate of wire rods for pipe line steel SAW electrodes.

This Standard applies to wire rods for pipe line steel SAW electrodes.

2 Normative references

The following documents are indispensable for the application of this document.

For the dated references, only the versions with the dates indicated are applicable to this document. For the undated references, the latest version (including all the amendments) are applicable to this document.

GB/T 223.3 Methods for Chemical Analysis of Iron, Steel and Alloy - The

Diantipyrylmethane Phosphomolybdate Gravimetric Method for the

Determination of Phosphorus Content

GB/T 223.4 Alloyed steel - Determination of manganese content -

Potentiometric or visual titration method

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

GB/T 223.9 Iron steel and alloy - Determination of aluminium content - Chrom azurol S

photometric method

GB/T 223.11 Iron, Steel and Alloy - Determination of Chromium Content -

Visual Titration or Potentiometric Titration 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-Benzoyl-N-Phenylhydroxylamine Extraction Photometric Method for the Determination of Vanadium Content

GB/T 223.16 Methods for Chemical Analysis of Iron, Steel and Alloy - The

GB/T 223.64 Iron, steel and alloy - Determination of manganese content -

Flame atomic absorption spectrometric method

GB/T 223.67 Iron, steel and alloy - Determination of sulfur content -

Methylene blue spectrophotometric method

GB/T 223.68 Methods for chemical analysis of iron, steel and alloy - The potassium iodate titration method after combustion in the pipe furnace for the determination of sulfur content

GB/T 223.69 Iron, steel and alloy - Determination of carbon contents - Gas- volumetric method after combustion in the pipe furnace

GB/T 223.71 Methods for chemical analysis of iron, steel and alloy - The gravimetric method after combustion in the pipe furnace for the determination of carbon content

GB/T 223.72 Iron, steel and alloy - Determination of sulfur content -

Gravimetric method

GB/T 223.74 Methods for chemical analysis of iron, steel and alloy - The combustion gravimetric/gas-volumetric method for the determination of combined carbon content

GB/T 223.75 Iron steel and alloy - Determination of boron content - Methanol distillation-curcumin photometric method

GB/T 228.1 Metallic materials - Tensile testing - Part 1. Method of test at room temperature

GB/T 2101 General requirement of acceptance, packaging, marking and certification for section steel

GB/T 2975 Steel and steel products - Location and preparation of samples and test pieces for mechanical testing

GB/T 4336 Carbon and low-alloy steel - Determination of multi-element contents - Spark discharge atomic emission spectrometric method (routine method)

GB/T 10561 Steel - Determination of Content of Nonmetallic Inclusions -
Micrographic Method Using Standards Diagrams

GB/T 13298 Inspection methods of microstructure for metals

GB/T 14981-2009 Dimension shape mass and tolerance for hot-rolled round wire rod right to inspect and accept according to the corresponding standards or contracts.

8.2 Lot grouping rule

The wire rods shall be accepted in lots. Each lot shall consist of the wire rods of the same furnace number, the same designation, and the same specification.

8.3 Sampling quantity

The sampling quantity for quality inspection of wire rod shall comply with the requirements of Table 2.

8.4 Reinspection and judgement rules

The reinspection and judgement rules of the wire rod shall be in accordance with the provisions of GB/T 2101.

8.5 Rounding off of numerical values

The numerical values of inspection result shall, by rounded-off value comparison method, be rounded off to be consistent with the number of digits indicated by the specified value standard. The rule for rounding off shall comply with YB/T 081.

9 Packaging, marking, and quality certificate

The packaging, marking, and quality certificate of the wire rod shall be carried out in accordance with the provisions of GB/T 2101.

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