

ICS 93.020
CCS P 22

JG

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

JG/T 196-2018

Replacing JG/T 196-2007

**Steel sheet piling
(English Translation)**

Issued on: March 20, 2018

Implemented on: November 1, 2018

**Issued by: Ministry of Housing and Urban-Rural Development of the
People's Republic of China**

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces JG/T 196-2007 "Cold-formed steel sheet pile". Compared with the JG/T 196-2007 standard, the main technical changes are as follows.

- The standard name was changed to "steel sheet pile";
- Increased the content of hot rolled steel sheet piles;
- Adjusted terms and definitions;
- Revised the classification, code and marking of steel sheet piles;
- Adjusted steel plate pile grades;
- Adjusted the mechanical properties of steel sheet piles;
- Revised the allowable deviation of the size and shape of the steel sheet pile;
- Adjusted the surface quality requirements of steel sheet piles;
- Adjusted the test content and test method of steel sheet piles;
- Adjusted the inspection rules for steel sheet piles;
- Added Appendix A cold-formed steel sheet pile informative appendix, added Appendix B hot-rolled steel sheet pile informative appendix.

This standard was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

This standard is under the jurisdiction of the Technical Committee for Standardization of Building Foundations of the Ministry of Housing and Urban-Rural Development.

This standard is mainly drafted by. China Academy of Building Research, Jianyan Foundation Engineering Co., Ltd., China Metallurgical Construction Research Institute, Anshan Zizhu Technology Steel Co., Ltd., Shanxi Dingrong Cold-Formed Steel Co., Ltd., Ou Lingte (Shanghai) Heavy Cold Rolling Co., Ltd., Beijing Kaili Geotechnical Engineering Co.,

Ltd., Tianjin Construction Engineering Quality Testing Center.

1 Scope

This standard specifies the classification, code, marking, ordering content, general requirements,, test methods, inspection rules, packaging, and marking of steel sheet piles.

Zhihe quality certificate.

This standard applies to steel sheet piles used in construction projects.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Permissible deviation of chemical composition of finished products of GB/T 222 steel GB/T 223.5 Determination of acid-dissolved silicon and total silicon content - Reducing silyl molybdate spectrophotometric method GB/T 223.14 Methods for chemical analysis of steels and alloys - Determination of vanadium content by extraction spectrophotometric method GB/T 223.16 Methods for chemical analysis of steels and alloys - Determination of titanium content by chromotropic acid photometric method GB/T 223.40 Determination of bismuth content of steels and alloys GB/T 223.59 Determination of phosphorus content in steels and alloys - phosphine molybdenum blue spectrophotometric method and bismuth phosphomolybdate blue spectrophotometric method GB/T 223.64 Determination of manganese content in steels and alloys by flame atomic absorption spectrometry GB/T 228.1 tensile testing of metallic materials - Part 1 GB/T 229 metal material Charpy pendulum impact test method GB/T 1591 low alloy high strength structural steel General provisions for GB/T 2101 steel acceptance, packaging, marking and quality certificates GB/T 2975 steel and steel products mechanical properties test sampling position and sample preparation GB/T 4171 weathering structural steel GB/T 4336 Determination of multi-element content of carbon steel and medium-low alloy steels by spark discharge atomic emission spectrometry (conventional method) GB/T.20066 Sampling and sample preparation method for samples for determination of chemical composition of steel and iron GB/T.20123 Determination of total carbon and sulfur content of steels - Infrared absorption method after high-frequency induction furnace combustion (conventional method) GB/T.20125 Determination of multi-element of low-alloy steels by inductively coupled plasma atomic spectroscopy GB/T 22368 Determination of multi-element content of low-alloy steels by glow discharge atomic emission spectrometry (conventional method)

3 Terms and definitions

The following terms and definitions apply to this document.

Cold-formed steel sheet pile coldrolledsteelsheetpiling the steel strip is continuously roll-bent deformed to form a Z-shaped, U-shaped, hat-shaped or other shape, and can be cross-locked or crimped Shaped steel for interconnected building foundations.

Hot rolled steel sheet pile hotrolledsteelsheetpiling the billet is heated and rolled by a rolling mill. The cross section is Z-shaped, U-shaped, linear, H-shaped or other shapes and can be locked by both sides or