



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 5528 : 2006

(JISF)

Hot rolled steel sheet piles

ICS 77.140.70; 93.020

Reference number : JIS A 5528 : 2006 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Iron and Steel Federation (JISF) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS A 5528 : 2000** is replaced with this Standard.

Being in conformance with this Standard may come under the use of the following patent rights with regard to the hat shape.

(Patent number)	(Title of invention)	(Registration date of establishment of patent right)
1. No. 2689794	Asymmetrical U-form steel sheet pile	1997-08-29
2. No. 2964933	Underground structure and asymmetric U-shaped steel sheet pile	1999-08-13
3. No. 3173389	Asymmetrical steel sheet pile and its hot rolling method	2001-03-30
4. No. 3458109	Hat-shaped steel sheet pile	2003-08-01
5. No. 3488230	Rolled steel sheet pile	2003-10-31
6. No. 3488232	Rolled steel sheet pile	2003-10-31
7. No. 3488233	Hat-shaped steel sheet pile	2003-10-31

Besides, this description does not affect to any extent the validity, the scope and the like of the above patent rights.

The holder of these patent rights gives guarantee to the Japanese Industrial Standards Committee with respect to his willingness to permit anyone to exercise the relevant patent right under the nondiscriminatory and reasonable conditions.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

Date of Establishment: 1967-02-01

Date of Revision: 2006-01-20

Date of Public Notice in Official Gazette: 2006-01-20

Investigated by: Japanese Industrial Standards Committee
Standards Board
Technical Committee on Iron and Steel

JIS A 5528:2006, First English edition published in 2006-05

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Printed in Japan

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Hot rolled steel sheet piles

Introduction This Japanese Industrial Standard has been established in 1967 and has until now undergone revisions in 1983, 1988 and 2000. In this revision, the principal revised point is addition of new shape (hat type) corresponding to the request of the market.

1 Scope This Standard specifies the hot rolled steel sheet piles (hereafter referred to as “steel sheet piles”) which are used for sheathing, coffering, structural foundations and other similar applications.

2 Normative references The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS G 0320 *Standard test methods for heat analysis of steel products*

JIS G 0404 *Steel and steel products—General technical delivery requirements*

JIS G 0415 *Steel and steel products—Inspection documents*

JIS G 3192 *Dimensions, mass and permissible variations of hot rolled steel sections*

JIS Z 2201 *Test pieces for tensile test for metallic materials*

JIS Z 2241 *Method of tensile test for metallic materials*

3 Classification and symbols Steel sheet piles shall be classified into two types, and their symbols shall be as given in table 1.

Table 1 Classification symbol

Classification symbol
SY295
SY390

4 Chemical composition Sheet piles shall be tested in accordance with 8.1, and their cast analysis value shall be as given in table 2.

Table 2 Chemical composition

Unit: %

Classification symbol	P	S
SY295	0.040 max.	0.040 max.
SY390	0.040 max.	0.040 max.

Remarks : If necessary, alloy elements other than those given in table 2 may be added.