



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 5528 : 2012

(JISF)

Hot rolled steel sheet piles

ICS 77.140.70;93.020

Reference number : JIS A 5528 : 2012 (E)

PROTECTED BY COPYRIGHT

 **Documents**
Document Sharing Hub
7 S

A 5528 : 2012

Date of Establishment: 1967-02-01

Date of Revision: 2012-06-20

Date of Public Notice in Official Gazette: 2012-06-20

Investigated by: Japanese Industrial Standards Committee
Standards Board

Technical Committee on Iron and steel

JIS A 5528 : 2012, First English edition published in 2012-09

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.

© JSA 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Classification and symbols	1
4 Chemical composition	2
5 Mechanical properties	2
5.1 Yield point or proof stress, tensile strength and elongation	2
5.2 Coupling tensile strength of straight line shape steel sheet piles	2
6 Shapes, dimensional tolerances and unit mass	2
7 Appearance	3
8 Tests	5
8.1 Chemical analysis test	5
8.2 Mechanical test	6
8.3 Coupling tensile test on straight line shape steel sheet piles	7
9 Inspection	7
10 Reinspection	8
11 Marking	8
12 Report	8

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 : 2006** is replaced with this Standard.

However, **JIS A 5528 : 2006** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until June 19th, 2013.

This **JIS** document is protected by the Copyright Law.

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

The relevant holders of the above-mentioned industrial property rights have indicated an intention of granting license to anyone under the nondiscriminatory and reasonable conditions, except to the other holders of the industrial property rights related to this Standard who will not grant their licenses under the same conditions.

It should be noted that following this Standard does not always refer to granting a free license.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent rights other than mentioned above. The Minister of Economy, Trade and Industry and the Japanese Industrial Standards Committee are not responsible for identifying the patent rights of this kind.

The “patent rights” as mentioned here include patent right, application for a patent after opening to the public or utility model right.