

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

JIS A 5526 : 2022

(JISF)

**Steel H piles**

---

ICS 77.140.70 ; 93.020

Reference number : JIS A 5526 : 2022 (E)

A 5526 : 2022

Date of Establishment: 1963-10-21

Date of Revision: 2022-05-22

Date of Public Notice in Official Gazette: 2022-03-22

Developed by: The Japan Iron and Steel Federation

Investigated by: The Japan Iron and Steel Federation, Standardization  
Center

---

JIS A 5526 : 2022, First English edition published in 2022-08

Translated and published by: Japanese Standards Association  
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

---

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

© JSA 2022

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

HN

PROTECTED BY COPYRIGHT

## Contents

		Page
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Symbol of grade .....	1
5	Chemical composition .....	2
6	Mechanical properties .....	2
7	Shape, dimensions, mass and their tolerances .....	2
7.1	Dimensions, sectional area and mass .....	2
7.2	Standard lengths .....	3
7.3	Shape and dimensional tolerances .....	3
8	Appearance .....	4
9	Tests .....	4
9.1	Chemical analysis .....	4
9.2	Mechanical tests .....	5
10	Inspection .....	5
11	Reinspection .....	5
12	Marking .....	6
13	Report .....	6

## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by The Japan Iron and Steel Federation (JISF), an accredited standards development organization. This edition replaces the previous edition (**JIS A 5526** : 2011), which has been technically revised.

However, **JIS A 5526** : 2011 may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 21 March 2023.

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

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister is not responsible for identifying any of such patent rights, published patent application or utility model rights.

# Steel H piles

## 1 Scope

This Japanese Industrial Standard specifies requirements for the steel H piles (hereafter referred to as piles) used for the foundations of structures related to civil engineering works and architecture.

## 2 Normative references

Part or all of the provisions of the following standards, 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 0202 *Glossary of terms used in iron and steel (Testing)*
- JIS G 0203 *Glossary of terms used in iron and steel (Products and quality)*
- JIS G 0320 *Standard test method 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 0416 *Steel and steel products — Location and preparation of samples and test pieces for mechanical testing*
- JIS G 3192 *Dimensions, shape, mass and permissible variations of hot rolled steel sections*
- JIS Z 2241 *Metallic materials — Tensile testing — Method of test at room temperature*

## 3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS G 0202** and **JIS G 0203** apply.

## 4 Symbols of grade

Steel materials used for piles are classified into two grades, and their symbols are given in Table 1.

**Table 1 Symbols of grade**

Symbols of grade
SHK400
SHK490M