

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

---

**JIS A 5525** : 2014

(JISF)

**Steel pipe piles**

---

ICS 77.140.75;93.020

Reference number : **JIS A 5525 : 2014 (E)**

A 5525 : 2014

Date of Establishment: 1963-10-01

Date of Revision: 2014-02-20

Date of Public Notice in Official Gazette: 2014-02-20

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

---

JIS A 5525:2014, First English edition published in 2014-11

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 2014

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

KA/AT

PROTECTED BY COPYRIGHT

## Contents

	Page
1	Scope ..... 1
2	Normative references ..... 2
3	Class symbol ..... 2
4	Production method ..... 2
5	Chemical composition ..... 3
6	Mechanical properties ..... 3
7	Shop circumferential weld ..... 4
8	Accessories, forming and painting/coating ..... 4
9	Shape, dimension, mass and dimensional tolerance of single pipe ..... 4
9.1	Shapes of pipe end ..... 4
9.2	Dimensions and unit mass ..... 5
9.3	Shape and dimensional tolerance ..... 8
10	Appearance ..... 10
11	Test ..... 10
11.1	Chemical analysis ..... 10
11.2	Mechanical test ..... 10
11.3	Radiographic testing ..... 12
12	Inspection and reinspection ..... 12
12.1	Inspection ..... 12
12.2	Reinspection ..... 12
13	Marking ..... 13
14	Report ..... 13
Annex A (normative)	Quality specification of single pipe with ribs ..... 14
Annex B (informative)	Typical examples of shapes and dimensions of accessories ..... 17
Annex C (informative)	Typical examples of forming and painting/coating ..... 22

## 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 5525:2009** is replaced with this Standard.

However, **JIS A 5525:2009** 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 February 19, 2015.

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

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

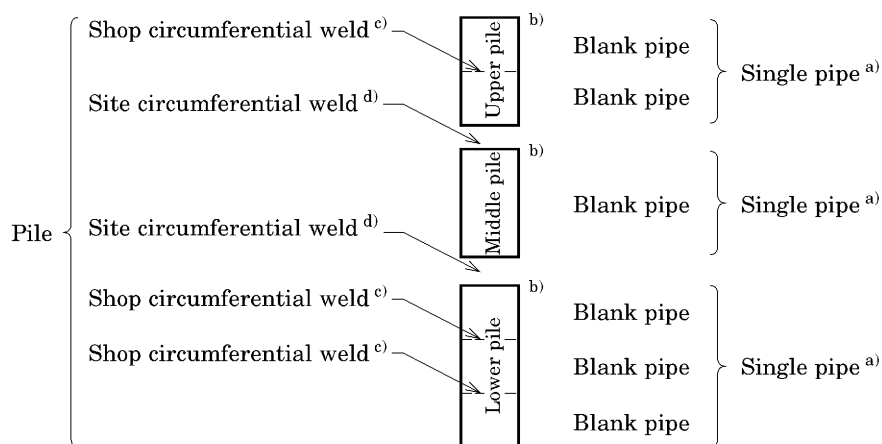
# Steel pipe piles

## 1 Scope

This Japanese Industrial Standard specifies single pipes of welded steel pipe piles (hereafter referred to as “piles”) used for the foundation of structures such as civil engineering works and architectures (including piles for landslide prevention). The dimensional range to which this Standard is applicable is 318.5 mm to 2 000 mm in outside diameter normally. The configuration and designation of each part of piles are as given in figure 1.

Further, items other than those specified in the text, the quality specification of single pipe with ribs which can be designated by the purchaser upon the agreement with the manufacturer is shown in Annex A, typical example of shapes and dimensions of accessories attached to single pipe are shown in Annex B, and typical examples of forming and painting/coating to be performed on single pipe are shown in Annex C.

NOTE : The steel pipes for landslide prevention and the centrifugally cast steel pipes are specified in **JIS G 3444** and **JIS G 5201**, respectively.



- Notes
- a) A single pipe refers to a blank pipe as it is or blank pipes connected by circumferential welding at shop.
  - b) A pile refers to a single pipe or the combination of single pipes. When single pipes are connected at site, the upper side, the middle side and the lower side of single pipes are called the upper pile, the middle pile and the lower pile, respectively. In the case where there are two or more middle piles, the lowest one is called the first middle pile, the one above be the second middle pile, and so on.
  - c) The shop circumferential weld refers to the welding in which a blank pipe and a blank pipe are made to a single pipe by circumferential weld by the manufacturer.
  - d) The site circumferential weld refers to the welding in which a single pipe and a single pipe are made to a pile by circumferential weld by the constructor.

**Figure 1 Configuration and designation of piles**