

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

---

**JIS B 1812** : 2019

(JCA/JSA)

**Glossary of terms relating to  
chains, sprockets and accessories**

---

ICS 01.040.21;21.220.30

**Reference number : JIS B 1812 : 2019 (E)**

B 1812 : 2019

Date of Establishment: 2013-06-20

Date of Revision: 2019-09-20

Date of Public Notice in Official Gazette: 2019-09-20

Investigated by: Japanese Industrial Standards Committee  
Standards Board for ISO area

---

JIS B 1812:2019, First English edition published in 2020-07

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 2020

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

KK/AT

PROTECTED BY COPYRIGHT

## Contents

	Page
Introduction .....	1
1 Scope .....	1
2 Normative references .....	1
3 Classification .....	1
4 Terms and definitions .....	2
4.1 Types of chains .....	2
4.2 Components of chains .....	21
4.3 Basic dimensions of chains .....	34
4.4 Performances/characteristics of chains .....	39
4.5 Sprockets .....	42
4.6 Accessories for chains .....	48
4.7 Selection of chains .....	48
4.8 Attachment/maintenance of chains .....	50
Annex JA (informative) Comparison table between JIS and corresponding International Standard .....	52
Alphabetical index .....	56

## Foreword

This Japanese Industrial Standard has been 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 Japan Chain Association (JCA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS B 1812:2015**), which has been technically revised.

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 and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

NOTE Based on Article 9 of the Supplementary Provisions to the Unfair Competition Prevention Act etc., any submission of proposal, or employment of procedures such as deliberation by the Japanese Industrial Standards Committee under the previous Industrial Standardization Act shall be deemed to have been conducted pursuant to the provision of Article 12, paragraph (1) of the revised Industrial Standardization Act.

# Glossary of terms relating to chains, sprockets and accessories

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 13203:2005**, Edition 1, by adding/deleting the technical contents of the corresponding terms and diagrams, with an aim for corresponding to the actual situations in Japan. Also, the definitions that are not given in the said corresponding International Standard are added as the **JIS** specifications.

The dotted underlines indicate additions to the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

## 1 Scope

This Standard specifies the terms and definitions related to the chains, sprockets and accessories used for transmission and conveyance.

NOTE 1 While the corresponding International Standard gives only terms and related diagrams, this Standard additionally provides the definitions to all the terms.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 13203:2005 *Chains, sprockets and accessories—List of equivalent terms* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

## 2 Normative references

There are no normative references in this Standard.

## 3 Classification

Terms relating to chains are classified as follows.

- a) Types of chains
  - 1) Types according to construction
  - 2) Types according to application
- b) Components of chains
  - 1) Links
  - 2) Plates
  - 3) Pins