

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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JIS B 1456 : 2022

(JCA/JSA)

**Roller chain shaft couplings**

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ICS 21.120.20 ; 21.220.30

Reference number : JIS B 1456 : 2022 (E)

B 1456 : 2022

Date of Establishment: 1972-06-01

Date of Revision: 2022-05-20

Date of Public Notice in Official Gazette: 2022-05-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

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JIS B 1456 : 2022, First English edition published in 2022-12

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

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Printed in Japan

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## 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 1456** : 2009), which has been technically revised.

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## Roller chain shaft couplings

### 1 Scope

This Japanese Industrial Standard specifies requirements for roller chain shaft couplings (hereafter referred to as the couplings) to be used for general machinery.

### 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 B 0401-2 *Geometrical product specifications (GPS) — ISO code system for tolerances on linear sizes — Part 2 : Tables of standard tolerance classes and limit deviations for holes and shafts*

JIS B 0405 *General tolerances — Part 1 : Tolerances on linear and angular dimensions without individual tolerance indications*

JIS B 0903 *Cylindrical shaft ends*

JIS B 1301 *Keys and their corresponding keyways*

JIS B 1801 *Short-pitch transmission precision roller chains and bush chains*

JIS B 1812 *Glossary of terms relating to chains, sprockets and accessories*

JIS B 7502 *Micrometers*

JIS B 7503 *Mechanical dial calipers*

JIS B 7507 *Geometrical product specifications (GPS) — Dimensional measuring equipment — Vernier, dial and digital callipers*

JIS G 4051 *Carbon steels for machine structural use*

### 3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS B 1812** apply.

### 4 Classification

The couplings shall be classified into 15 classes as given in Table 1 and designated by the combination of nominal number of the roller chain used (the first two or three digits) and the number of sprocket teeth (the last two digits). The nominal number of roller chain shall be in accordance with that of Series A roller chain specified in **JIS B 1801**.