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**Fatigue test method for transmission
precision roller chains and leaf chains**

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Contents

| | Page |
|--|------|
| Introduction | 1 |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Symbols, terms and definitions | 2 |
| 4 Principle | 3 |
| 5 Apparatus | 3 |
| 5.1 Testing machine | 3 |
| 5.2 Test fixtures | 4 |
| 6 Test specimens | 4 |
| 6.1 Free links of test specimen | 4 |
| 6.2 Test specimen condition | 5 |
| 7 Force setting | 5 |
| 7.1 Minimum force | 5 |
| 7.2 Maximum force | 5 |
| 7.3 Test force | 5 |
| 7.4 Force application condition | 6 |
| 8 Conformity test | 6 |
| 8.1 Purpose | 6 |
| 8.2 Endurance repetition number | 6 |
| 8.3 Minimum force | 6 |
| 8.4 Maximum force | 6 |
| 8.5 Number of tests | 7 |
| 8.6 Acceptance | 7 |
| 9 Combined test | 7 |
| 9.1 Purpose | 7 |
| 9.2 Overview | 7 |
| 9.3 Test procedure | 7 |
| 9.4 Analysis procedure | 9 |
| 9.5 $R-F-N$ diagram | 11 |
| 10 Report of test results | 11 |
| 10.1 General matters | 11 |
| 10.2 Test chain information | 11 |
| 10.3 Test equipment and procedures | 12 |
| 10.4 Test results | 12 |
| 10.5 Examples of test report and diagram | 13 |

| | | |
|------------------------|--|----|
| Annex A (informative) | Estimation of fatigue strength to chain length | 19 |
| Annex B (informative) | Survival test with abridged Probit analysis | 25 |
| Annex C (informative) | Justification for adding one step size to minimum fatigue limit in staircase analysis | 29 |
| Annex D (informative) | Extrapolating fatigue strength from 3×10^6 cycles to 10^7 cycles | 32 |
| Annex E (informative) | Report on fatigue test results | 36 |
| Annex F (informative) | Finite life testing and data analysis | 38 |
| Annex JA (informative) | Statistical calculations for staircase test | 43 |
| Annex JB (informative) | Combined test method to obtain fatigue limit at probability of survival $R = 95\%$ ($24F-N$ test method) | 45 |
| Annex JC (informative) | Comparison table between JIS and corresponding International Standard | 50 |

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 1811 : 2018**), which has been technically revised.

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Fatigue test method for transmission precision roller chains and leaf chains

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 15654** : 2015, Edition 2, with some modifications of the technical contents to make conform to the situations in Japan.

The structure of of Clause 7 to Annex H in the corresponding International Standard is changed in this Standard such that parts of Clause 8 in the corresponding International Standard are moved to Annex JA, and Annex B to Annex JB. Annex JC shows the correspondence of structures of Clauses and Annexes between this Standard and the corresponding International Standard. The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JC.

1 Scope

This Standard specifies the fatigue test method for transmission precision roller chains and leaf chains (hereafter referred to as chains). The tests specified in this Standard are of the fluctuating tension type, carried out at room temperature in air, with the force applied along the longitudinal axis of the chain. This Standard also specifies procedures for statistically analysing the test results and gives formats and elements for presenting the results of fatigue tests and analyses.

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

ISO 15654 : 2015 *Fatigue test method for transmission precision roller chains and leaf chains* (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

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

NOTE Normative reference in the corresponding International Standard : ISO 606 : 2015 *Short-pitch transmission precision roller and bush chains, attachments and associated chain sprockets*

JIS B 1804 *Leaf chains*