

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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**JIS A 1106** : 2018

(JCI)

**Method of test for flexural strength of  
concrete**

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ICS 91.100.30

Reference number : JIS A 1106 : 2018 (E)

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A 1106 : 2018

Date of Establishment: 1950-03-05

Date of Revision: 2018-04-25

Date of Public Notice in Official Gazette: 2018-04-25

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Civil Engineering

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JIS A 1106 : 2018, First English edition published in 2018-10

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

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Land, Infrastructure, Transport and Tourism through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Concrete Institute (JCI) 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 1106:2006** is replaced with this Standard.

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# Method of test for flexural strength of concrete

## Introduction

This Japanese Industrial Standard has been prepared based on ISO 1920-4 : 2005, Edition 1, with some modifications of the technical contents.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB. The comparison table between previous and current editions of this Standard on technically significant revisions is given in Annex JC.

## 1 Scope

This Standard specifies the method of test for the flexural strength of test specimens of hardened concrete by two-point loading (trisectioning point loading).

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

ISO 1920-4 : 2005 *Testing of concrete — Part 4 : Strength of hardened concrete* (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.

Note <sup>1)</sup> The test method by centre point loading is given in Annex JA.

## 2 Normative references

The following standards contain provisions which, 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 A 1132 *Method of making and curing concrete specimens*

NOTE Corresponding International Standard : ISO 1920-3 *Testing of concrete — Part 3 : Making and curing test specimens*

JIS B 7721 *Tension/compression testing machines — Calibration and verification of the force-measuring system*

## 3 Test specimens

The test specimens shall be as follows.

- a) The test specimens shall be prepared in accordance with JIS A 1132. In addition, the specimens shall be available for the test immediately after the completion of specified curing <sup>2)</sup>.