JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 1159 : 2018

Method of test for J-Ring flow of concrete

ICS 91.100.30

Reference number : JIS A 1159 : 2018 (E)

Date of Establishment: 2018-01-22

Date of Public Notice in Official Gazette: 2018-01-22

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Civil Engineering

JIS A 1159 : 2018, First English edition published in 2018-09

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.

Printed in Japan KK/HN

Contents

Page

Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization 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.

Method of test for J-Ring flow of concrete

1 Scope

This Japanese Industrial Standard specifies the J-ring flow test method intended for high-fluidity concrete with maximum coarse aggregate size of 40 mm or under.

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 0203 *Concrete terminology*

JIS A 1101 *Method of test for slump of concrete*

JIS A 1115 *Method of sampling fresh concrete*

JIS A 1138 *Method of making test sample of concrete in laboratory*

JIS A 1156 *Method of measurement for temperature of fresh concrete*

JIS B 7512 *Steel tape measures*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS A 0203**, and the following apply.

3.1

J-ring flow, SF_J

spread of the diameter of a sample after lifting a slump cone inside a J-ring

NOTE This diameter is expressed to the nearest 1 mm.

3.2

J-ring flow time, T_{500J}

time required for a J-ring flow to reach 500 mm diameter in J-ring flow test

NOTE Time, T_{500J}, is expressed to the nearest 0.1 s.

3.3

passing ability PJ value

ability of fresh concrete to flow past a J-ring

4 Test instruments

The following instruments shall be used for the test.