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(JRMA/JSA)

**Rubber, vulcanized or thermoplastic—
Determination of hardness—
Part 5: Calibration and verification of
hardness testers**

ICS 83.060

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Measurands and metrological requirements for calibration and verification	2
4.1 Environmental conditions	2
4.2 Metrological requirements	2
5 Calibration and verification methods	10
5.1 Measuring instruments used for calibration and verification	10
5.2 Outline of the calibration and verification methods to be used	10
6 Calibration and verification certificate	19
Annex JA (informative) Comparison table between JIS and corresponding International Standard	20

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by the Japan Rubber Manufacturers Association (JRMA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Consequently, **JIS K 6253**:2006 has been withdrawn and partially replaced with this Standard.

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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.

JIS K 6253 series consists of the following 5 parts under the general title “*Rubber, vulcanized or thermoplastic—Determination of hardness*”:

Part 1: General guidance

Part 2: IRHD method (hardness between 10 IRHD and 100 IRHD)

Part 3: Durometer method

Part 4: IRHD pocket meter method

Part 5: Calibration and verification of hardness testers

Rubber, vulcanized or thermoplastic— Determination of hardness— Part 5: Calibration and verification of hardness testers

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 18898** published in 2006 with some modifications of the technical contents.

The portions given continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies procedures for the calibration and verification of the IRHD dead-load instruments (**JIS K 6253-2**), durometers (**JIS K 6253-3**) and IRHD pocket meters (**JIS K 6253-4**).

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

ISO 18898:2006 *Rubber—Calibration and verification of hardness testers* (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**.

WARNING : Persons using this Standard should be familiar with normal laboratory practice. This Standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices.

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 K 6200 *Rubber—Vocabulary*

JIS K 6253-1 *Rubber, vulcanized or thermoplastic—Determination of hardness—
Part 1: General guidance*

JIS K 6253-2 *Rubber, vulcanized or thermoplastic—Determination of hardness—
Part 2: IRHD method (hardness between 10 IRHD and 100 IRHD)*

NOTE : Corresponding International Standard: ISO 48 *Rubber, vulcanized or thermoplastic—Determination of hardness (hardness between 10 IRHD and 100 IRHD)* (MOD)