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JIS K 6330-1:2003 (JRMA/JSA)

Testing methods for rubber and plastics hoses—Part 1: Methods of measurement of dimensions for hoses and hose assemblies

ICS 23.040.70; 83.140.40

Reference number : JIS K 6330-1 : 2003 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard 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 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 applicable to the case of revision by the provision of Article 14. Consequently JIS K 6330-1: 1998 is replaced with this Standard.

In order to conform to the International Standard, this revision has been prepared based on **ISO 4671**: 1999 Rubber and plastics hoses and hose assemblies—Methods of measurement of dimensions.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS K 6330 consists of the following 10 parts under the general title Testing methods for rubber and plastics hoses.

Part 1: Methods of measurement of dimensions for hoses and hose assemblies

Part 2: Hydrostatic testing

Part 3: Determination of suction resistance

Part 4: Sub-ambient temperature flexibility tests

Part 5: Determination of electrical resistance

Part 6: Determination of adhesion between components

Part 7: Assessment of ozone resistance under static conditions

Part 8: Hydraulic-pressure impulse test without flexing

Part 9: Bending properties of hoses and tubing

Part 10: Determination of transmission of liquids through hose walls

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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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Introduction This Japanese Industrial Standard has been prepared based on the second edition of **ISO 4671** Rubber and plastics hoses and hose assemblies—Methods of measurement of dimensions published in 1999 with modifying some technical contents.

Portions sidelined or underlined with dots are the matters modified from the original International Standard. The list of modification with its explanation is given in annex 2 (informative).

WARNING: Persons using this Japanese Industrial Standard shall 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.

1 Scope This Standard specifies the measuring methods for dimensions in each part of rubber and plastics hoses including hose assemblies (hereafter referred to as "hose").

The items for measuring dimensions include inside diameter, outside diameter, diameter over reinforcement (applied to hydraulic hose), hose wall thickness, concentricity, thickness of inside and outside layers, inside diameter and length of hose assemblies.

Remarks: The International Standard corresponding to this Standard is as follows.

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**.

ISO 4671: 1999 Rubber and plastics hoses and hose assemblies— Methods of measurement of dimensions (MOD)

Information: The measuring instruments used in **JIS** are shown in annex 1.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. If the indication of the year of publication is given to these referred standards, only the edition of the indicated year constitutes the provision of this Standard but the revision and amendment made thereafter do not apply. The normative references without the indication of the year of coming into effect apply only to the most recent edition (including amendments).