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STANDARD

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(JFPA/JSA)

**O-rings — Part 3 : Quality acceptance
criteria**

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In the event of any doubts arising as to the contents,
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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 Japan Fluid Power Association (JFPA) /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Consequently **JIS B 2408** : 2005 has been withdrawn and replaced with this Standard.

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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 or utility model right. 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 or the utility model right.

JIS B 2401 series consists of the following 4 parts under the general title “*O-rings*”:

Part 1 : O-rings

Part 2 : Housing dimensions and sizes

Part 3 : Quality acceptance criteria

Part 4 : Anti-extrusion rings (back-up rings)

O-rings — Part 3 : Quality acceptance criteria

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 3601-3** published in 2005, modifying some of the technical contents, for the corresponding parts, so as to add the quality acceptance criteria that have been conventionally applied in Japan.

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

1 Scope

This Standard specifies the definitions, types and permissible limits of surface imperfections of O-rings that are intended for general machinery.

The dimensions of O-rings are specified in **JIS B 2401-1**.

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

ISO 3601-3 : 2005 *Fluid power systems — O-rings — Part 3 : Quality acceptance criteria* (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

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 B 0142 *Fluid power systems and components — Vocabulary*

NOTE : Corresponding International Standard : **ISO 5598** : 1985 *Fluid power systems and components — Vocabulary* (MOD)

JIS B 2401-1 *O-rings — Part 1 : O-rings*

NOTE : Corresponding International Standard : **ISO 3601-1** *Fluid power systems — O-rings — Part 1 : Inside diameters, cross-sections, tolerances and designation codes* (MOD)

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS B 0142** and the following apply.