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**Rotary shaft lip-type seals
incorporating elastomeric sealing
elements—Part 1: Nominal
dimensions and tolerances**

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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 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 Japan Auto Parts Industries Association (JAPIA)/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 B 2402-1**:2002 is replaced with this Standard.

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JIS B 2402 series consists of the following 5 parts under the general title “*Rotary shaft lip-type seals incorporating elastomeric sealing elements*”:

Part 1: Nominal dimensions and tolerances

Part 2: Vocabulary

Part 3: Storage, handling and installation

Part 4: Performance test procedures

Part 5: Identification of visual imperfections

Rotary shaft lip-type seals incorporating elastomeric sealing elements—Part 1: Nominal dimensions and tolerances

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 6194-1** published in 2007 incorporating the parts corresponding to this Standard (nominal dimensions and tolerances) with modification of the technical contents.

For the convenience of both the purchaser and the manufacturer, examples of specifications on the rotary shaft lip-type seals, which are describing the purchaser’s information and the manufacturer’s information, are given in Annex A.

The portions with 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 JB.

1 Scope

This Standard specifies nominal dimensions and tolerances of the rotary shaft lip-type seals with spring incorporating elastomeric sealing elements (hereafter referred to as “seals”) suitable for the range of shaft diameter from 6 mm to 480 mm and the range of housing bore from 16 mm to 530 mm.

Seals shall be used under the low-pressure condition of 0 kPa to 30 kPa in gauge pressure, and classified into six types according to the construction. Respective basic types are as given in figure 1.

The seals without spring are shown in Annex JA.

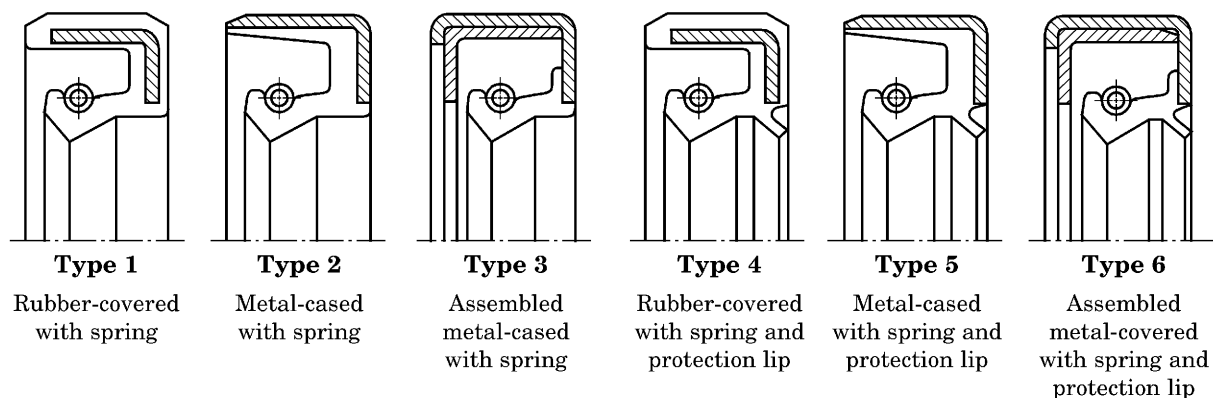


Figure 1 Example of construction classification of seals

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

ISO 6194-1:2007 *Rotary shaft lip-type seals incorporating elastomeric sealing elements—Part 1: Nominal dimensions and tolerances* (MOD)