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STANDARD

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(GIS/JSA)

**Bonded abrasive products—  
General requirements**

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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 Grinding Wheel Association (GIS)/ 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 R 6242:2006** is replaced with this Standard.

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# Bonded abrasive products— General requirements

## Introduction

This Japanese Industrial Standard has been prepared based on the fourth edition of **ISO 525** published in 2013, with some modifications of the technical contents made to bring them into conformance with the relevant mandatory regulation in Japan, namely, the Structure Standard for Grinding Wheels, etc.

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 the general requirements for bonded abrasive products such as grinding wheels, honing stones, superfinishings, cutting-off wheels, mounted wheels and hand finishing sticks and stones, excluding abrasive products with diamond or cubic boron nitride (cBN).

This Standard specifies:

- dimensional symbols;
- type number and profile;
- requirements for dimensions, limit deviation and tolerances as well as permissible unbalance;
- specification mark;
- safety;
- marking requirements.

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

ISO 525:2013 *Bonded abrasive products—General requirements* (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) shall be applied.

JIS R 6001 *Bonded abrasive grain sizes*