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**JIS R 6001-1** : 2017

(GIS/JSA)

**Bonded abrasives—Determination  
and designation of grain size  
distribution—Part 1: Macrogrits F4  
to F220**

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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 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. Consequently, **JIS R 6001:1998** and **JIS R 6002:1998** have been withdrawn and partially replaced with this Standard.

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**JIS R 6001** series consists of the following 2 parts under the general title “*Bonded abrasives—Determination and designation of grain size distribution*”:

*Part 1: Macrogrits F4 to F220*

*Part 2: Microgrits*

# Bonded abrasives—Determination and designation of grain size distribution— Part 1: Macrogrits F4 to F220

## Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 8486-1** published in 1996, modifying some of its technical contents to reflect the needs and conditions unique to Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB.

## 1 Scope

This Standard specifies the size distribution of artificial abrasives (alumina abrasives and silicon carbide abrasives) specified in JIS R 6111, that are of macrogrits from F4 to F220.

NOTE 1 This Standard is inapplicable to coated abrasives, and abrasive grains and abrasives used for loose grains.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 8486-1:1996 *Bonded abrasives—Determination and designation of grain size distribution—Part 1: Macrogrits F4 to F220* (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 R 6003 *Method for sampling of abrasive grains*

NOTE: Corresponding International Standard: ISO 9138:1993 *Abrasive grains—Sampling and splitting* (MOD)

JIS R 6004 *Abrasives, bonded abrasive products and coated abrasives—Terms and marks*

JIS R 6111 *Artificial abrasives*

JIS Z 8401 *Guide to the rounding of numbers*

JIS Z 8801-1 *Test sieves—Part 1: Test sieves of metal wire cloth*