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Bonded abrasive products—Testing methods

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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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Foreword

This Japanese Industrial Standard has been 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 (JGWA)/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 6240**:2008 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Bonded abrasive products—Testing methods

Introduction

This Japanese Industrial Standard was established in 1968 and has gone through eight revisions up to the present. The last revision was made in 2008, and the revision at this time is to respond to the advances in technology.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies the test methods of dimensions, hardness grade, grain volume percentage and safety of the bonded abrasive products (except the diamond/CBN tools).

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 4652 *Hand torque tools—Requirements and test methods*

JIS B 7420 *Plain limit gauges*

JIS B 7502 *Micrometers*

JIS B 7503 *Mechanical dial gauges*

JIS B 7507 *Vernier, dial and digital callipers*

JIS K 8180 *Hydrochloric acid (Reagent)*

JIS K 8819 *Hydrofluoric acid (Reagent)*

JIS R 6211-5 *Bonded abrasive products—Dimensions—Part 5: Grinding wheels for surface grinding/face grinding*

JIS R 6211-7 *Bonded abrasive products—Dimensions—Part 7: Grinding wheels for manually guided grinding*

JIS R 6211-13 *Bonded abrasive products—Dimensions—Part 13: Grinding wheels for deburring and fettling on a vertical grinder*

JIS R 6241 *Bonded abrasive products—Maximum operating speed of grinding wheels*

JIS R 6242 *Bonded abrasive products—General requirements*

JIS Z 2241 *Metallic materials—Tensile testing—Method of test at room temperature*

JIS Z 2245 *Rockwell hardness test—Test method*

JIS Z 8401 *Guide to the rounding of numbers*