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JIS R 6211-15 : 2003

(GIS/JSA)

**Bonded abrasive products —
Dimensions — Part 15 : Grinding
wheels for cutting-off on stationary
or mobile cutting-off machines**

ICS 25.100.70

Reference number : JIS R 6211-15 : 2003 (E)

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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 in accordance with the proposal of revising a Japanese Industrial Standard from the Japan Grinding Wheel Association (GIS)/the Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law which shall be applied by Article 14 of the same Law. Consequently **JIS R 6211-15:1999** is replaced with **JIS R 6211-15:2003**.

In this revision, **ISO 603-15:1999 Bonded abrasive products — Dimensions — Part 15:Grinding wheels for cutting-off on stationary or mobile cutting-off machines** is used as a basis to make Japanese Industrial Standard to conform to the corresponding International Standard.

Attention is drawn to the possibility that some parts of this Standard, which have technical properties, may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public. The Minister of Economy, Trade and Industry and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS R 6211 consists of the following 16 parts under the general title *Bonded abrasive products — Dimensions*.

- Part 1: Grinding wheels for external cylindrical grinding between centres*
- Part 2: Grinding wheels for centerless external cylindrical grinding*
- Part 3: Grinding wheels for internal cylindrical grinding*
- Part 4: Grinding wheels for surface grinding/peripheral grinding*
- Part 5: Grinding wheels for surface grinding/face grinding*
- Part 6: Grinding wheels for tool and tool room grinding*
- Part 7: Grinding wheels for manually guided grinding*
- Part 8: Grinding wheels for deburring and fettling/snagging*
- Part 9: Grinding wheels for high-pressure grinding*
- Part 10: Stones for honing and superfinishings*
- Part 11: Hand finishing sticks*
- Part 12: Grinding wheels for deburring and fettling on a straight grinder*
- Part 13: Grinding wheels for deburring and fettling on a vertical grinder*
- Part 14: Grinding wheels for deburring and fettling/snagging on an angle grinder*
- Part 15: Grinding wheels for cutting-off on stationary or mobile cutting-off machines*
- Part 16: Grinding wheels for cutting-off on hand held power tools*

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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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**Bonded abrasive products –
Dimensions – Part 15 : Grinding wheels
for cutting-off on stationary
or mobile cutting-off machines**

Introduction This part of JIS R 6211 has been prepared based on the first edition of ISO 603-15 *Bonded abrasive products—Dimensions—Part 15: Grinding wheels for cutting-off on stationary or mobile cutting-off machines* published in 1999, with modifying the technical contents of the tables in A series because of unmatching with an obligatory law, the structural specification for grinding machine. The tables of B series specify the dimensions mainly used in Japanese market. However, A series shall take precedence, and B series will be restudied in five years.

The portions given sidelines or underlines with dots in this part of JIS R 6211 are the matters not included in the original International Standard.

1 Scope This part of JIS R 6211 specifies the nominal dimensions of grinding wheels for cutting-off on stationary or mobile cutting-off machines of :

- Type 41 : Flat cutting-off wheel
- Type 42 : Depressed centre cutting-off wheel

Remarks 1 These bonded abrasive products are intended to be used for cutting-off or slotting of any part of a workpiece. The workpiece is firmly clamped or is stabilized by its own weight. If the cutting-off wheel is guided by hand the workpiece is fixed and vice versa. The cutting-off machine is fixed during the operation.

2 The International Standard corresponding to this part of JIS R 6211 is as follows:

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.

ISO 603-15 : 1999 *Bonded abrasive products—Dimensions—Part 15 : Grinding wheels for cutting-off on stationary or mobile cutting-off machines* (MOD)

2 Normative reference The following standard contains provisions which, through reference in this part of JIS R 6211, constitute provisions of this part of JIS R 6211. The most recent edition of the standard (including amendments) shall be applied.

JIS R 6242 *Bonded abrasive products—General—Designation, marking, range of*