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JIS R 6211-7 : 2003
(GIS/JSA)

**Bonded abrasive products —
Dimensions — Part 7: Grinding
wheels for manually guided
grinding**

ICS 25.100.70

Reference number : JIS R 6211-7 : 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 6211-7:1999** is replaced with **JIS R 6211-7:2003**.

In this revision, **ISO 603-7:1999 Bonded abrasive products — Dimensions — Part 7: Grinding wheels for manually guided grinding** is used as a basis to make Japanese Industrial Standard 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 7: Grinding wheels for manually guided grinding

Introduction This part of **JIS R 6211** has been prepared based on the first edition of **ISO 603-7 Bonded abrasive products — Dimensions — Part 7: Grinding wheels for manually guided grinding** 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 in 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 used for bench grinder and floor type grinder:

- Type 1: Straight grinding wheel
- Type 5: Wheel recessed on one side
- Type 6: Straight cup wheel
- Type 35: Cemented or clamped disc wheel
- Type 36: Disc wheel with inserted nuts
- Type 37: Cylindrical wheels with inserted nuts

Remarks 1 These bonded abrasive products are intended to be used for the grinding of any surface and regrinding of workpieces. The workpiece is guided by hand, the grinding wheel is fixed.

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 603-7:1999 *Bonded abrasive products — Dimensions — Part 7: Grinding wheels for manually guided grinding* (MOD)

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) shall be applied.

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

Remarks : **ISO 603-5:1999** *Bonded abrasive products — Dimensions — Part 5: Grinding wheels for surface grinding/face grinding* is equivalent to the said standard.