

Australian Standard™

**Bonded abrasive products—Dimensions**

**Part 6: Grinding wheels for tool and tool  
room grinding**

This Australian Standard was prepared by Committee ME-033, Abrasives. It was approved on behalf of the Council of Standards Australia on 20 January 2005. This Standard was published on 2 March 2005.

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The following are represented on Committee ME-033:

Abrasives Institute of Australia  
Australian Business  
Australian Chamber of Commerce and Industry  
Industrial Diamond Association  
University of Melbourne  
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**Bonded abrasive products—Dimensions**

**Part 6: Grinding wheels for tool and tool room grinding**

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## PREFACE

This Standard was prepared by the Standards Australia Committee ME-033, Abrasives, to supersede, AS/NZS 4524.6:1998, *Bonded abrasive products—Dimensions, Part 6: Grinding wheels for tool and tool room grinding*.

This Standard is identical with and has been reproduced from ISO 603-6:1999, *Bonded abrasive products—Dimensions, Part 6: Grinding wheels for tool and tool room grinding*.

The objective of this Standard is to provide manufacturers and users of bonded abrasive products with details of minimum dimensional requirements for these products.

The objective of this revision is to adopt the current edition of ISO 603-6.

As this Standard is reproduced from an international Standard, the following applies:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source test, ‘this part of ISO 603’ should read ‘this Australian Standard’.
- (c) A full point substitutes for a comma when referring to a decimal mark.

References to international Standards should be replaced by equivalent Australian, New Zealand or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
ISO	AS/NZS
525 Bonded abrasive products—General requirements	4525 Bonded abrasive products—General requirements
6103 Bonded abrasive products—Permissible unbalances of grinding wheels as delivered—Testing	4825 Bonded abrasive products—Permissible unbalances of grinding wheels as delivered—Testing
13942 Bonded abrasive products—Limit deviations and run-out tolerances	—

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## AUSTRALIAN STANDARD

**Bonded abrasive products—Dimensions****Part 6:  
Grinding wheels for tool and tool room grinding****1 Scope**

This part of ISO 603 specifies the nominal dimensions, in millimeters, of:

- Type 1: Straight grinding wheel (general application and saw sharpening)
- Type 3: Wheel tapered on one side
- Type 5: Wheel recessed on one side
- Type 6: Straight cup wheel
- Type 7: Wheel recessed on both sides
- Type 11: Taper cup wheel
- Type 12: Dish wheel

These bonded abrasive products are intended to be used for grinding or regrinding of cutting faces and edges of tools. The workpieces and the grinding wheels are mechanically guided.

**2 Normative references**

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 603. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 603 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 525:1999, *Bonded abrasive products — General requirements*.

ISO 6103:1999, *Bonded abrasive products — Static balancing of grinding wheels — Testing*.

ISO 139:2001, *Bonded abrasive products — Limit deviations and run-out tolerances*.

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<sup>1)</sup> To be published.