

Australian Standard™

Bonded abrasive products—Dimensions

**Part 5: Grinding wheels for surface
grinding/face grinding**



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Part 5: Grinding wheels for surface grinding/face grinding

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PREFACE

This Standard was prepared by the Standards Australia Committee ME-033, Abrasives, to supersede, AS/NZS 4524.5:1998, *Bonded abrasive products—Dimensions, Part 5: Grinding wheels for surface grinding/side grinding*.

This Standard is identical with and has been reproduced from ISO 603-5:1999, *Bonded abrasive products—Dimensions, Part 5: Grinding wheels for surface grinding/face 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 603-5.

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’.
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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 5: Grinding wheels for surface grinding/face grinding

1 Scope

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

- Type 2: Cemented or clamped cylinder wheel
- Type 6: Straight cup wheel
- Type 31: Segments
- Type 35: Cemented or clamped disc wheel
- Type 36: Disc wheel with inserted nuts
- Type 37: Cylinder wheel with inserted nuts

These bonded abrasive products are intended to be used for surface grinding where the workpiece is secured to a reciprocating table that moves in a straight line. The workpiece and the grinding wheel 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 13042:1999, *Bonded abrasive products — Limit deviations and run-out tolerances.*

¹⁾ To be published.