

Australian Standard™

**Bonded abrasive products—Dimensions**

**Part 4: Grinding wheels for surface  
grinding/peripheral 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 .

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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  
Victorian Employer's Chamber of Commerce

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Australian Standard™

## **Bonded abrasive products—Dimensions**

### **Part 4: Grinding wheels for surface grinding/peripheral grinding**

Originated as part of AS B172.1—1967 and AS B172.2—1968.  
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## PREFACE

This Standard was prepared by the Standards Australia Committee ME-033, Abrasives, to supersede, AS/NZS 4524.4:1998, *Bonded abrasive products—Dimensions, Part 4: Grinding wheels for surface grinding/peripheral grinding*.

This Standard is identical with and has been reproduced from ISO 603-4:1999, *Bonded abrasive products—Dimensions, Part 4: Grinding wheels for surface grinding/peripheral 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 603-4.

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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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS/NZS	
525	Bonded abrasive products—General requirements	4523	Bonded abrasive products—General requirements
6103	Bonded abrasive products—Permissible unbalances of grinding wheels as delivered—Testing	4820	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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NOTES

## AUSTRALIAN STANDARD

# Bonded abrasive products—Dimensions

## Part 4: Grinding wheels for surface grinding/peripheral grinding

### 1 Scope

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

- Type 1: Straight grinding wheel
- Type 5: Wheel recessed on one side
- Type 7: Wheel recessed on both sides
- Type 20: Wheel relieved on one side
- Type 21: Wheel relieved on both sides
- Type 22: Wheel relieved on one side and recessed on the other side
- Type 23: Wheel relieved and recessed on one side
- Type 24: Wheel relieved and recessed on one side and recessed on the other side
- Type 25: Wheel relieved and recessed on one side and relieved on the other side
- Type 26: Wheel relieved and recessed on both sides.
- Type 38: Hubbed wheel
- Type 39: Double hubbed wheel

These bonded abrasive products are intended to be used for the grinding of plane surfaces where the workpiece is secured to a reciprocating table. The workpiece and the grinding wheel are mechanically guided.