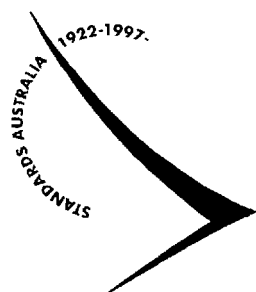


AS/NZS 4516:1998
ISO 6168:1980

Australian/New Zealand Standard[®]

**Abrasive products—Diamond or
cubic boron nitride grinding
wheels—Dimensions**



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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME/33, Abrasives. It was approved on behalf of the Council of Standards Australia on 30 September 1997 and on behalf of the Council of Standards New Zealand on 24 November 1997. It was published on 5 January 1998.

The following interests are represented on Committee ME/33:

Abrasives Institute of Australia
Australian Association of Certification Bodies
Australian Business
Australian Chamber of Commerce and Industry
Industrial Diamond Association of Australia
New Zealand Institute of Engineering Sciences
University of Melbourne

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AS/NZS 4516:1998

Australian/New Zealand Standard[®]

**Abrasive products—Diamond or
cubic boron nitride grinding
wheels—Dimensions**

Originated in Australia as part of AS B209—1969.
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/33, Abrasives, to supersede, in part, AS B209—1969, *Diamond abrasive wheels and hones*.

This Standard is identical with and has been reproduced from ISO 6168:1980, *Abrasive products—Diamond and cubic boron nitride grinding wheels—Dimensions*.

The objective of this Standard is to provide manufacturers and users of coated abrasive products with dimensions of diamond or cubic boron nitride grinding wheels.

This Standard is one of a series of Standards applicable to bonded and coated abrasive products.

Statements expressed in mandatory terms in notes to tables, figures or clauses are deemed to be requirements of this Standard.

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<i>Reference to International Standard or other publication</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS/NZS	
6104	Abrasive products—Diamond or cubic boron nitride grinding wheels and saws—General, designation and multilingual nomenclature	4515	Abrasive products—Diamond or cubic boron nitride grinding wheels and saws—General, designation and multilingual nomenclature
6105	Abrasive products—Diamond or cubic boron nitride saws—Dimensions	4517	Abrasive products—Segmented saws for machining of stone and masonry cutting—Dimensions of steel blades
6106	Abrasive products—Grain sizes of diamond or cubic boron nitride	4514	Abrasive products—Grain sizes of diamond or cubic boron nitride 41 µm to 1180 µm

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AUSTRALIAN/NEW ZEALAND STANDARD

Abrasive products — Diamond or cubic boron nitride grinding wheels — Dimensions**1 SCOPE AND FIELD OF APPLICATION**

This International Standard specifies the dimensions of diamond or cubic boron nitride grinding wheels of which the multilingual nomenclature and dimension designation are specified in ISO 6104.

The diamond or cubic boron nitride concentration and the grain size of the diamond section of the grinding wheels shall be specified in accordance with ISO 6104 and ISO 6106 respectively.

2 REFERENCES

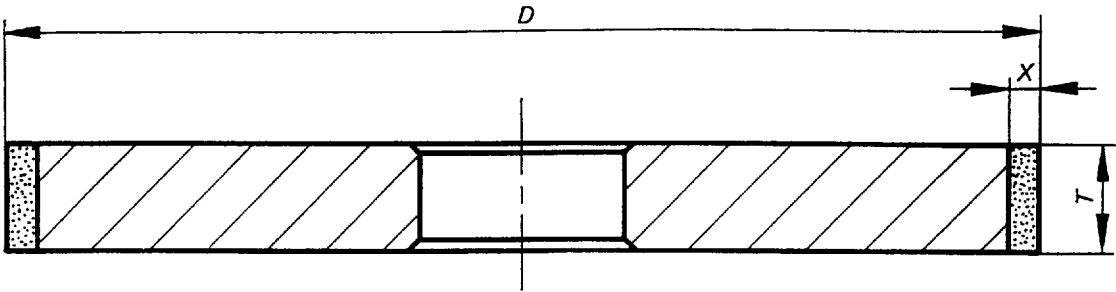
ISO 6104, *Abrasive products — Diamond or cubic boron nitride grinding wheels and saws — General, designation and multilingual nomenclature.*

ISO 6105, *Abrasive products — Diamond or cubic boron nitride saws — Dimensions.*¹⁾

ISO 6106, *Abrasive products — Grain sizes of diamond or cubic boron nitride.*

3 DIMENSIONS

3.1 Plain wheel – Type 1A1



Dimensions in millimetres

D	T											
	3	4	5	6	8	10	12	15	20	40	60	100
20	–	X	–	X	X	X	X					
25	–	X	–	X	X	X	X					
40	–	X	–	X	X	X	X					
50	–	X	–	X	X	X	X					
75	X	X	X	X	–	X	X					
100	X	X	X	X	–	X	X					
125	X	X	X	X	–	X	X	X				
150	X	X	X	X	–	X	X	X	X			
175	–	–	–	X	–	X	X	X	X			
200	–	–	–	X	–	X	X	X	X			
250	–	–	–	X	–	X	X	X	X	X	X	
300	–	–	–	–	–	X	X	X	X	X	X	
350	–	–	–	–	–	–	X	X	X	X	X	X
400	–	–	–	–	–	–	X	X	X	X	X	X
450	–	–	–	–	–	–	X	X	X	X	X	X
500	–	–	–	–	–	–	X	X	X	X	X	X
600	–	–	–	–	–	–	X	X	X	X	X	X
750	–	–	–	–	–	–	–	X	X	X	X	X
$X = 1,5 - 3 - 6$												