

Specification for

Designation and multilingual nomenclature for diamond or cubic boron nitride grinding wheels and saws

[ISO title: Abrasive products — Diamond or cubic boron nitride grinding wheels and saws — General survey, designation and multilingual nomenclature]

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Association of Hydraulic Equipment Manufacturers	Department of Transport
Association of Mining Electrical and Mechanical Engineers	Electricity Supply Industry in England and Wales
Associated Offices Technical Committee	Engineering Equipment Users' Association
British Compressed Air Society	Federation of Manufacturers of Construction Equipment and Cranes
British Electrical and Allied Manufacturers' Association (BEAMA)	Health and Safety Executive
British Gas Corporation	Institution of Gas Engineers
British Gear Manufacturers' Association	Institution of Mechanical Engineers
British Internal Combustion Engine Manufacturers' Association	Institution of Plant Engineers
British Pump Manufacturers' Association	Institution of Production Engineers*
British Steel Corporation	Lloyd's Register of Shipping
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Department of Industry (Mechanical Engineering)	Process Plant Association
Department of Industry (National Engineering Laboratory)	Society of Motor Manufacturers and Traders Limited
	Telecommunication Engineering and Manufacturing Association (TEMA)
	Water-tube Boilermakers' Association

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

British Diamond Die Federation	Diamond Industrial Products Association
British Ophthalmic Lens Manufacturers' Association	Federation of British Engineers' Tool Manufacturers
Diamond Bonded Products Association	Federation of Manufacturing Opticians

This British Standard, having been prepared under the direction of the Mechanical Engineering Standards Committee, was published under the authority of the Executive Board and comes into effect on 31 December 1979

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The following BSI references relate to the work on this standard:
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Amd. No.	Date of issue	Comments

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National foreword

This British Standard has been prepared under the direction of the Mechanical Engineering Standards Committee.

This standard is identical with ISO 6104, developed by Technical Committee 29, Small tools, of the International Organization for Standardization (ISO), and forms part of a series being developed by ISO/Technical Committee 29 dealing with abrasive products.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication, without deviation, as a British Standard. Some terminology and certain conventions are not identical with those used in British Standards, attention is especially drawn to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

Additional information. There are no British Standards equivalent to ISO 6105, ISO 6106 and ISO 6168, which are all in the course of preparation. It is intended to produce dual-numbered British Standards when the ISO standards are available.

This British Standard is complementary to other British Standards dealing with abrasive products, i.e. BS 2064-1 “*Specification for diamond abrasive grinding wheels*” and BS 2064-2 “*Specification for circular saws and diamond abrasive frame saws*”.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope and field of application

This International Standard contains the following elements concerning diamond or cubic boron nitride grinding wheels and saws:

- general survey of standardized grinding wheels and saws the sizes of which are the subject of ISO 6168 and ISO 6105 respectively;
- multilingual nomenclature of the dimensional characteristics (see note 1 below);
- designation system for grinding wheels and saws;
- code of designation for grinding wheel and saw forms.

NOTE 1 In addition to terms used in the three official ISO languages (English, French and Russian), this International Standard gives the equivalent terms in the German, Italian, Dutch and Swedish languages; these terms are published under the responsibility of the relevant national member bodies. However, only the terms given in the official languages can be considered as ISO terms.

NOTE 2 The term “diamond section” is used in this International Standard for the sake of simplicity but all the specifications are valid for boron nitride.

2 References

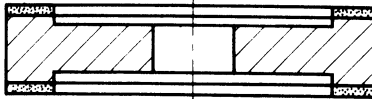
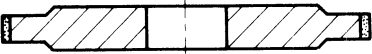
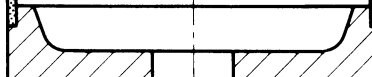
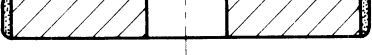
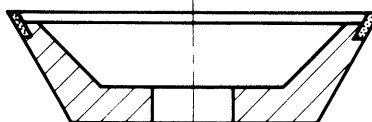
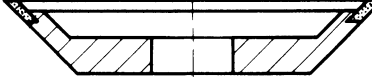
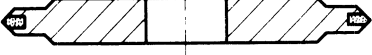
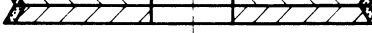
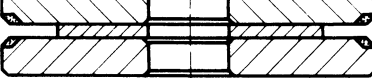
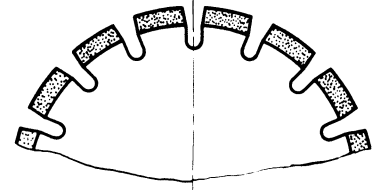
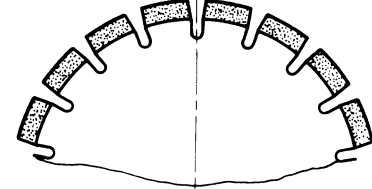
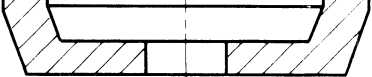
ISO 6105, *Abrasive products — Diamond or cubic boron nitride saws — Dimensions*¹⁾.

ISO 6106, *Abrasive products — Grain sizes of diamond or cubic boron nitride*¹⁾.

ISO 6168, *Abrasive products — Diamond or cubic boron nitride grinding wheels — Dimensions*¹⁾.

¹⁾ At present at the stage of draft.

3 General survey of standardized grinding wheels and saws

Code of designation	Outline drawing	Code of designation	Outline drawing
1A1		9A3	
14A1		6A9	
1L1		11V9	
1E6Q		12V9	
14E6Q		1EE1V	
14EE1		1V9	
1FF1		1A1RSS/C1	
6A2		1A1RSS/C2	
11A2			
12A2	