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# INTERNATIONAL STANDARD



# 6104

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## **Abrasive products — Diamond or cubic boron nitride grinding wheels and saws — General survey, designation and multilingual nomenclature**

*Produits abrasifs — Meules et scies à base de diamant ou de nitrure de bore — Généralités, désignation et nomenclature multilingue*

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**Descriptors :** abrasives, grinding wheels, saws, diamond wheels, diamond saws, boron nitride wheels, boron nitride saws, designation, nomenclature.

Price based on 14 pages

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 6104 was developed by Technical Committee ISO/TC 29, *Small tools*, and was circulated to the member bodies in September 1977.

It has been approved by the member bodies of the following countries :

Australia	Germany, F. R.	Romania
Austria	Hungary	South Africa, Rep. of
Belgium	India	Spain
Brazil	Israel	Sweden
Bulgaria	Italy	Switzerland
Canada	Japan	Turkey
Chile	Korea, Dem. P. Rep. of	United Kingdom
Czechoslovakia	Korea, Rep. of	USA
Egypt, Arab Rep. of	Mexico	USSR
France	Poland	Yugoslavia

No member body expressed disapproval of the document.

# Abrasive products — Diamond or cubic boron nitride grinding wheels and saws — General survey, designation and multilingual nomenclature

## 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.

### NOTES

- 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.

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.*<sup>1)</sup>

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

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

1) At present at the stage of draft.