

**BUREAU OF INDIAN STANDARDS**

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**Doc : PGD 09 (27951) WC**

**June 2025**

*भारतीय मानक मसौदा*

**आबंध अपघर्षक उत्पाद – आयाम**

**भाग 9 उच्च दबाव में पीसने के लिए ग्राइंडिंग व्हील्स**

( IS/ISO 603 ( भाग 9) का पहला पुनरीक्षण )

*Draft Indian Standard*

**Bonded Abrasive Products — Dimensions**

**Part 9 Grinding Wheels for High-Pressure Grinding**

( *First Revision of IS/ISO 603 (Part 9) )*

ICS 25.100.70

Abrasives Sectional Committee, PGD 09

Last date for Comments: 10-June-2025

**NATIONAL FOREWORD**

This Indian Standard (Part 9) (First Revision) which is identical with ISO 603-9:2024 ‘Bonded abrasive products — Dimensions Part 9 Grinding wheels for high-pressure grinding issued by the International Organization for Standardization (ISO) will be adopted by the Bureau of Indian Standards on recommendation of the Abrasives Sectional Committee and approval by the Production and General Engineering Division Council.

This standard was originally published in 1999. This revision has been brought out to align the standard with ISO 603-9 : 2024

The major changes in this revision are as follows:

- The scope has been modified as this standard does not specify limit deviation and run-out tolerances;
- Normative references have been revised;
- Terms and definitions have been added;
- Introductory, explanatory sentences have been added for better understanding; and
- The values in Table 1 have been adapted to the state of the art and for a more global acceptance the most common dimensions for imperial sizes have also been included.

This standard is published in eighteen parts. The other parts in this series are:

Part 1	Grinding wheels for external cylindrical grinding between centres
Part 2	Grinding wheels for centreless external cylindrical grinding
Part 3	Grinding wheels for internal cylindrical grinding
Part 4	Grinding wheels for surface grinding/peripheral grinding
Part 5	Grinding wheels for surface grinding/face grinding
Part 6	Grinding wheels for tool and tool room grinding
Part 7	Grinding wheels for manually guided grinding
Part 8	Grinding wheels for deburring and fettling/snagging on stationary machine
Part 10	Stones for honing and superfinishings
Part 11	Hand finishing sticks
Part 12	Grinding wheels for deburring and fettling on a straight grinder
Part 13	Grinding wheels for deburring and fettling on a vertical grinder
Part 14	Grinding wheels for deburring and fettling/snagging on an angle grinder
Part 15	Cutting-off wheels on stationary or mobile cutting-off machines
Part 16	Cutting-off wheels on hand held power tools
Part 17	Spindle mounted wheels
Part 18	Grinding wheels for flat glass edge grinding machines

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

(a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.

(b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to the following International Standard for which Indian Standard also exists. The corresponding Indian Standard which is to be substituted in its place is listed below along with its degree of equivalence for the edition indicated.

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 525 Bonded abrasive products — Shape types, designation and marking	PGD 09 (23642)/ ISO 525:2020 Bonded abrasive products — General requirements ( <i>fifth revision</i> )	Identical

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated, expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**NOTE:** The technical content of draft standard is not available on website. For details, please refer to ISO 603-9 : 2024 or contact:

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