

BUREAU OF INDIAN STANDARDS

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Doc .: PGD 09 (27953) WC

June 2025

भारतीय मानक मसौदा

आबंध अपघर्षक उत्पाद – आयाम

भाग 16 हाथ से पकड़े जाने वाले शक्ति उपकरणों के लिए कटिंग – ऑफ व्हील्स

(IS/ISO 603 (भाग 16) का पहला पुनरीक्षण)

Draft Indian Standard

**Bonded Abrasive Products — Dimensions
Part 16 Cutting-off Wheels on Hand Held Power Tools**

(First Revision of IS/ISO 603 (Part 16))

ICS 25.100.70

Abrasives Sectional Committee, PGD 09	Last date for Comments: 30 days from the date of approval for WC.
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NATIONAL FOREWORD

This Indian Standard (Part 16) (First Revision) which is identical with ISO 603-16:2022 ‘Bonded abrasive products — Dimensions Part 16: Grinding wheels for cutting-off on hand held power tools’ 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 it with ISO 603-16 : 2022

The major changes in this revision are as follows:

- The title has been editorially corrected;
- Normative references have been updated;
- Terms and definitions have been added;
- Introductory, explanatory sentences have been added for better understanding; and
- The figures with shape types and dimensions have been adapted to ISO 551:2025 (For example in shape type 42, the dimension “F” for the elevation of depressed centre has been renamed “M”).

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 9 Grinding wheels for high-pressure grinding
- 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 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 certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions 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>fourth 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 603-15:2022 or contact:

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