

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

बद्ध अपघर्षक उत्पाद - आकार प्रकार, अभिनाम और अंकन
(IS 551 का पांचवां पुनरीक्षण)

Draft Indian Standard

Bonded Abrasive Products — Shape types, Designation and Marking
(Fifth Revision of IS 551)

ICS 25.100.70

Cutting Tools Sectional Committee, PGD 09

NATIONAL FOREWORD

(Formal clauses will be added later)

This standard was originally published in 1954 and subsequently revised in 1966, 1989, 2013, and 2018. The fifth revision of this standard has been undertaken to align it with latest version of ISO 525.

The major changes in this revision are as follows:

- Title corrected to be more precise “Bonded abrasive products – Shape types, designation and marking”.
- Scope corrected by deleting bullet point d) for dimensions, limit deviations and tolerances as well as permissible unbalance; requirements for dimensions, limit deviations and tolerances were never specified in ISO 525 but in ISO 13942.
- Type of citation of ISO 603, ISO 13942 and ISO 6103 revised to be informative.
- Former subclauses 5.1, 5.2, 5.3 have been deleted.

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 8486-1 Bonded abrasives — Determination and designation of grain size distribution — Part 1: Macrogrits F4 to F220	IS 15288 (Part 1) : 2003 Bonded abrasives — Determination and designation of grain size distribution : Part 1 Macrogrits F4 to F220	Identical
ISO 8486-2 Bonded abrasives — Determination and designation of grain size distribution — Part 2: Microgrits F230 to F2000	IS 15288 (Part 2) : 2018 Bonded abrasives — Determination and designation of grain size distribution: Part 2 Microgrits F230 to F1200	Identical

The standard also makes a reference to the BIS Certification Marking of the product. Details of which are given in National Annex A.

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: 1960 ‘Rules for rounding off numerical values (*revised*).’ The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

NATIONAL ANNEX A
(National Foreword)

A-1 BIS CERTIFICATION MARKING

The product may also be marked with the Standard Mark.

A-1.1 The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made thereunder. The details of conditions under which the license for use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

NOTE: The technical content of draft standard is not available on website. For details please refer to ISO 525 : 2020 or contact:

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