

INTERNATIONAL STANDARD

ISO
2235

Third edition
1993-07-15

Abrasive sheets — Dimensions, tolerances and designation

Feuilles abrasives — Dimensions, tolérances et désignation



Reference number
ISO 2235:1993(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 2235 was prepared by Technical Committee ISO/TC 29, *Small tools*, Sub-Committee SC 5, *Grinding wheels and abrasives*.

This third edition cancels and replaces the second edition (ISO 2235:1981), of which subclause 4.1.2 (corresponding to subclause 2.1.2 of the present edition) has been technically revised.

Annex A of this International Standard is for information only.

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International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Abrasive sheets — Dimensions, tolerances and designation

1 Scope

This International Standard specifies the dimensions and tolerances, in millimetres, for abrasive sheets intended for use on portable machines or for hand sanding; it also specifies their designation.

2 Nominal dimensions and tolerances

2.1 Nominal dimensions

2.1.1 Abrasive papers and cloths in sheets

230 mm × 280 mm

2.1.2 Abrasive papers and cloths in small sheets

70 mm × 115 mm

70 mm × 230 mm

93 mm × 230 mm

140 mm × 230 mm

115 mm × 140 mm

115 mm × 280 mm

2.2 Tolerances

The dimensional tolerances for lengths and widths of abrasive sheets shall be, for all sizes, ± 3 mm.

These tolerances are valid only for abrasive sheets as supplied by the manufacturer, and measured under the conditions of reference of the place where these products are manufactured.

- Temperature: $20\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$
 - Relative humidity: $65\% \pm 5\%$
- } in accordance with ISO 554

Measurements shall be carried out on sheets stored for at least 24 h under the above conditions.

3 Designation

An abrasive sheet conforming to this International Standard shall be designated by

- a) "Abrasive sheet";
- b) reference to this International Standard;
- c) the width, l , in millimetres;
- d) the length, L , in millimetres.

EXAMPLE

An abrasive sheet of width $l = 230$ mm and length $L = 280$ mm is designated as follows:

Abrasive sheet ISO 2235 - 230 × 280

Annex A
(informative)

Bibliography

- [1] ISO 554:1976, *Standard atmospheres for conditioning and/or testing — Specifications*.

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