
Coated abrasives — Grain size analysis —

Part 2:

Determination of grain size distribution of
macrogrits P12 to P220

Abrasifs appliqués — Granulométrie —

*Partie 2: Détermination de la distribution granulométrique des macrograins
P12 à P220*



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 6344-2 was prepared by Technical Committee ISO/TC 29, *Small tools*, subcommittee SC 5, *Grinding wheels and abrasives*.

ISO 6344 consists of the following parts, under the general title *Coated abrasifs - Grain size analysis*:

- *Part 1: Grain size distribution test*
- *Part 2: Determination of grain size distribution of macrogrits P12 to P220*
- *Part 3: Determination of grain size distribution of microgrits P240 to P2500*

Annexes A and B of this part of ISO 6344 are for information only.

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Printed in Switzerland

Coated abrasives — Grain size analysis —

Part 2:

Determination of grain size distribution of macrogrits P12 to P220

1 Scope

This part of ISO 6344 sets forth a method for determining or testing the grain size distribution of electro-fused aluminium oxide and silicon carbide macrogrits P 12 to P 220 for coated abrasives as defined in ISO 6344-1.

It applies both to those grits used in the manufacture of coated abrasive products and to those grits removed from products for testing purposes

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 6344. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 6344 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3310-1:—¹⁾, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth.*

ISO 6344-1:1997, *Coated abrasives — Grain size analysis — Part 1: Grain size distribution test.*

ISO 9138:1993, *Abrasive grains — Sampling and splitting.*

ISO 9284:1992, *Abrasive grains — Test-sieving machines.*

3 Definitions

For the purposes of this part of ISO 6344 the definitions given in ISO 6344-1 apply.

4 Grain size distribution testing

4.1 Apparatus

4.1.1 Test sieving machine

The test shall only be carried out with test sieving machines giving reproducible and comparable results, e. g. RO-TAP test sieving machines in accordance with ISO 9284.

1) To be published. (Revision of ISO 3310-1:1990)