

This is a preview of "ISO 6106:2013". [Click here to purchase the full version from the ANSI store.](#)

Third edition
2013-04-15

Abrasive products — Checking the grain size of superabrasives

Produits abrasifs — Vérification de la dimension des grains de superabrasifs



Reference number
ISO 6106:2013(E)

© ISO 2013

This is a preview of "ISO 6106:2013". Click here to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

This is a preview of "ISO 6106:2013". Click here to purchase the full version from the ANSI store.

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Apparatus	1
4.1 Sieving machine.....	1
4.2 Sieves.....	1
4.3 Sampling the batch.....	2
4.4 Balance.....	2
4.5 Timer.....	2
5 Test conditions	3
6 Test sieving	3
6.1 Sampling.....	3
6.2 Preparation for sieving.....	3
6.3 Sieving procedure.....	3
7 Evaluation	3
7.1 Weighing sieved fractions.....	3
7.2 Calculation of results.....	3
8 Designation and grading limits	4
8.1 General.....	4
8.2 Grain sizes.....	4
8.3 Designation.....	4
9 Example showing the use of Table 2	4
Annex A (normative) Adaptors for 75 mm sieves	7
Bibliography	9

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6106 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 5, *Grinding wheels and abrasives*.

This third edition cancels and replaces the second edition (ISO 6106:2005), which has been technically revised.

Significant changes against the previous edition are the following:

- a) the English title has been editorially improved;
- b) the requirements for the sampling techniques in [4.3](#) have been specified in more detail;
- c) there has been a minor technical change in the requirements for the sieving procedure in [6.3](#);
- d) an editorial error in [Table 2](#) and [Table 3](#) was corrected;
- e) in [Table 2](#), smaller grain designations, i.e. 39 and 33, have been included;
- f) in [Table 3](#), larger grain designations, i.e. 302, 357 and 712, have been included;
- g) in [Table 2](#), undersize limiting sieves have been changed for grain designations 46 and 54.