

INTERNATIONAL
STANDARD

ISO
28927-4

First edition
2010-12-15

**Hand-held portable power tools — Test
methods for evaluation of vibration
emission —**

**Part 4:
Straight grinders**

*Machines à moteur portatives — Méthodes d'essai pour l'évaluation de
l'émission de vibrations —*

Partie 4: Meuleuses droites



Reference number
ISO 28927-4:2010(E)

© ISO 2010

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2010

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing 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

Contents

	Page
Foreword	iv
Introduction.....	vi
1 Scope.....	1
2 Normative references.....	1
3 Terms, definitions and symbols	2
3.1 Terms and definitions	2
3.2 Symbols.....	2
4 Basic standards and vibration test codes	3
5 Description of the family of machines	3
6 Characterization of vibration.....	4
6.1 Direction of measurement	4
6.2 Location of measurements.....	4
6.3 Magnitude of vibration	5
6.4 Combination of vibration directions.....	5
7 Instrumentation requirements	5
7.1 General	5
7.2 Mounting of transducers	5
7.3 Frequency-weighting filter.....	6
7.4 Integration time.....	6
7.5 Auxiliary equipment	6
7.6 Calibration.....	6
8 Testing and operating conditions of the machinery.....	6
8.1 General	6
8.2 Operating conditions	7
8.3 Other quantities to be specified.....	7
8.4 Attached equipment, work piece and task.....	7
8.5 Operator	10
9 Measurement procedure and validity.....	10
9.1 Reported vibration values	10
9.2 Declaration and verification of the vibration emission value	11
10 Measurement report.....	11
Annex A (informative) Model test report for vibration emission of straight grinders.....	13
Annex B (normative) Determination of uncertainty	15
Annex C (normative) Design of test wheel.....	17
Bibliography.....	23