
**Test conditions for milling machines with
table of variable height — Testing of
accuracy —**

**Part 2:
Machines with vertical spindle**

*Conditions d'essai des machines à fraiser à table de hauteur variable —
Contrôle de la précision —*

Partie 2: Machines à broche verticale



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.

© ISO 2004

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 0111
Fax + 41 22 749 0947
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terminology, designation of axes and milling operations	1
3.1 Terminology and designation of axes	1
3.2 Milling operations	4
3.3 Description of machines	4
4 Preliminary remarks	5
4.1 Measuring units	5
4.2 Reference to ISO 230-1	5
4.3 Testing sequence	5
4.4 Tests to be performed	5
4.5 Measuring instruments	5
4.6 Machining tests	6
4.7 Minimum tolerance	6
5 Geometric tests	7
5.1 Axes of motion	7
5.2 Table	10
5.3 Spindle	16
6 Machining tests	19
Annex A (informative) Equivalent terms in German, Italian, Dutch, Spanish and Swedish, corresponding to Figure 1	20
Annex B (informative) Equivalent terms in German, Italian, Dutch, Spanish and Swedish, corresponding to Figure 2	21
Bibliography	22