
Test conditions for machining centres —

Part 4:

Accuracy and repeatability of positioning of
linear and rotary axes

Conditions d'essai pour centres d'usinage —

*Partie 4: Précision et répétabilité de positionnement des axes linéaires et
rotatifs*



Contents		Page
1	Scope.....	1
2	Normative references.....	1
3	Preliminary remarks	2
3.1	Measuring units.....	2
3.2	Reference to ISO 230-2	2
3.3	Testing sequence.....	2
3.4	Tests to be performed.....	2
3.5	Position of linear axes not under test	2
4	Positioning of linear axes	2
4.1	Tolerances	2
4.2	Measuring instruments.....	3
4.3	Observations and references to ISO 230-1 and ISO 230-2	3
4.4	Calculated deviations	3
5	Positioning of rotary axes.....	4
5.1	Tolerances	4
5.2	Measuring instruments.....	5
5.3	Observations and references to ISO 230-1 and ISO 230-2	5
5.4	Calculated deviations	5
6	Information to be recorded	5
6.1	Data identifying the machine	5
6.2	Data identifying the test.....	6
6.3	Data on the test conditions.....	6
Annex A	(informative) Bibliography	7

© ISO 1998

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 the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland