

Test conditions for numerically controlled turning machines and turning centres —

Part 5: Accuracy of feeds, speeds and interpolations

ICS 25.040.20

National foreword

This British Standard was published by BSI. It is the UK implementation of ISO 13041-5:2006.

The UK participation in its preparation was entrusted to Technical Committee MTE/1, Machine tools.

A list of organizations represented on MTE/1 can be obtained on request to its secretary.

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2007

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ISBN 978 0 580 49987 6

Amendments issued since publication

Amd. No.	Date	Comments

INTERNATIONAL STANDARD

ISO
13041-5

First edition
2006-12-01

Test conditions for numerically controlled turning machines and turning centres —

Part 5:

Accuracy of feeds, speeds and interpolations

*Conditions d'essai des tours à commande numérique et des centres de
tournage —*

Partie 5: Exactitude des vitesses, avances et interpolations



Reference number
ISO 13041-5:2006(E)



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Foreword

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ISO 13041-5 was prepared by Technical Committee ISO/TC 39, *Machine tools*, Subcommittee SC 2, *Test conditions for metal cutting machine tools*.

ISO 13041 consists of the following parts, under the general title *Test conditions for numerically controlled turning machines and turning centres*:

- *Part 1: Geometric tests for machines with a horizontal workholding spindle*
- *Part 2: Geometric tests for machines with a vertical workholding spindle*
- *Part 3: Geometric tests for machines with an inverted vertical workholding spindle*
- *Part 4: Accuracy and repeatability of positioning of linear and rotary axes*
- *Part 5: Accuracy of feeds, speeds and interpolations*
- *Part 6: Accuracy of a finished test piece*
- *Part 7: Evaluation of contouring performance in the coordinate planes*
- *Part 8: Evaluation of thermal distortions*