
**Test conditions for numerically controlled
turning machines and turning centres —**

**Part 6:
Accuracy of a finished test piece**

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

Partie 6: Exactitude d'une pièce d'essai usinée



Reference number
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Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Preliminary remarks	1
3.1 Measuring units	1
3.2 Reference to ISO 230	2
3.3 Test sequence	2
3.4 Tests to be performed	2
3.5 Measuring instruments	2
3.6 Fixing of test pieces	2
3.7 Materials of test pieces, tooling and cutting parameters	2
3.8 Sizes of test pieces.....	2
3.9 Information to be recorded	3
3.10 Machine size categories.....	3
4 Machining tests.....	5
Bibliography	12

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.

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ISO 13041-6 was prepared by Technical Committee ISO/TC 39, *Machine tools*, Subcommittee SC 2, *Test conditions for metal cutting machine tools*.

This second edition cancels and replaces the first edition (ISO 13041-6:2005), which has been technically revised.

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 inverted vertical workholding spindles*
- *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*