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First edition
2014-12-01

Machine tool spindles — Evaluation of machine tool spindle vibrations by measurements on spindle housing —

Part 1:

Spindles with rolling element bearings and integral drives operating at speeds between 600 min⁻¹ and 30 000 min⁻¹

*Broches pour machines-outils — Évaluation des vibrations d'une broche
pour machine-outil par mesurages sur le logement de la broche —*

*Partie 1: Broches à roulements à billes et moteurs intégrés opérant à
des vitesses comprises entre 600 min⁻¹ et 30 000 min⁻¹*



Reference number
ISO/TR 17243-1:2014(E)

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Published in Switzerland

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Foreword

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The committee responsible for this document is ISO/TC 39, *Machine tools*, Subcommittee SC 2, *Test conditions for metal cutting machine tools*.

ISO/TR 17243 consists of the following parts, under the general title *Machine tool spindles — Evaluation of machine tool spindle vibrations by measurements on spindle housing*:

- *Part 1: Spindles with rolling element bearings and integral drives operating at speeds between 600 min⁻¹ and 30 000 min⁻¹*
- *Part 2: Direct driven spindles and belt driven spindles with rolling element bearings operating at speeds between 600 min⁻¹ and 30 000 min⁻¹*

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Introduction

This part of ISO/TR 17243 provides specific guidance for assessing the severity of vibration measured on the spindle housing at customer site or at the machine tool manufacturer test facilities.