ISO 230-5:2000-08 (E)

Test code for machine tools - Part 5: Determination of the noise emisssion

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 2

3 Terms and definitions 3

4 Measuring equipment 7

5 Installation and operation of the machine under test 7

6 Measurement procedure 9

7 Measurement uncertainty 9

8 Information to be recorded 10

9 Information to be reported in the test report 11

10 Declaration and verification of noise-emission values 12

11 Determination of the emission sound pressure levels at the work station(s) and at other specified positions 13

12 Method for the determination of sound power levels emitted by a machine tool 16

Annex A (normative) Microphone array on the measurement surface 20

Annex B (normative) Determination of the equivalent sound absorption area A 25

Annex C (informative) Guidelines for the detection of impulsive noise 27

Annex D (informative) Example of information to be recorded (see clause 8) 28

Annex E (informative) Example of noise-emission declarations for machine tools and equipment ... 30

Bibliography 31