DIN EN ISO 5349-1:2001-12 (E)

Mechanical vibration - Measurement and evaluation of human exposure to hand-transmitted vibration - Part 1: General requirements (ISO 5349-1:2001); English version of DIN EN ISO 5349-1

Contents

Page

Foreword ... 2

Introduction ... 3

1 Scope ... 4

2 Normative references ... 4

3 Terms, definitions and symbols ... 5
3.1 Terms and definitions ... 5
3.2 Symbols ... 5

4 Characterization of hand-transmitted vibration ... 5
4.1 General considerations ... 5
4.2 Measuring equipment for hand-transmitted vibration ... 6
4.3 Coupling of the hand to the vibration source ... 8
4.4 Quantity to be measured ... 8
4.5 Multi-axis vibration ... 8

5 Characterization of hand-transmitted vibration exposure ... 9
5.1 General ... 9
5.2 Daily exposure duration ... 9
5.3 Daily vibration exposure ... 9

6 Information to be reported ... 10

Annex A (normative) Frequency-weighting and band-limiting filters ... 11

Annex B (informative) Guidance on health effects of hand-transmitted vibration ... 14

Annex C (informative) Relationship between vibration exposure and effects on health ... 18

Annex D (informative) Factors likely to influence the effects of human exposure to hand-transmitted vibration in working conditions ... 21

Annex E (informative) Preventive measures to be adopted by those responsible for occupational health and safety ... 22

Annex F (informative) Guidelines for reporting additional information ... 24

Bibliography ... 27