

ISO/TR 18570:2017-08 (E)

Mechanical vibration - Measurement and evaluation of human exposure to hand transmitted vibration - Supplementary method for assessing risk of vascular disorders

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms, definitions and symbols	1
4	Characterization of hand-transmitted vibration	2
4.1	General considerations	2
4.2	Measuring equipment for hand-transmitted vibration	2
4.2.1	General	2
4.2.2	Vibration transducers	2
4.2.3	Location and orientation of transducers	2
4.2.4	Mounting of transducers	2
4.2.5	Coupling of the hand to the vibration source	2
4.3	Quantity to be measured	3
4.4	Multi-axis vibration	3
5	Characterization of hand-transmitted vibration exposure for vascular disorders	3
5.1	General	3
5.2	Daily exposure duration	3
5.3	Vibration exposure	3
6	Information to be reported	4
Annex A (informative) Biomechanical and epidemiological basis for weighting W_p		5
Annex B (informative) Frequency weighting definitions		7
Annex C (informative) Examples of vibration magnitudes		12
Bibliography		14