

ISO 15230:2007-07 (E)

Mechanical vibration and shock - Coupling forces at the man-machine interface for hand-transmitted vibration

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Symbols and abbreviated terms	1
2.1	Symbols	1
2.2	Subscripts	2
3	Parameters at man-machine interface	2
3.1	Pressure exerted on skin	2
3.2	Push/pull force	3
3.3	Guiding force	4
3.4	Lifting force	5
3.5	Gripping force	5
3.6	Feed force	6
3.7	Contact forces	6
3.8	Coupling force	7
3.9	Torque and friction force	8
	Annex A (informative) Biodynamic effects on machine contact forces	9
	Annex B (informative) Calculation of gripping force and push/pull force from measurement of pressure	11
	Annex C (informative) Measuring procedure and processing of measurement results	14
	Annex D (informative) Recommended parameters for measuring instrumentation	18
	Annex E (informative) Calibration and reference method	22
	Bibliography	25