

ISO/TR 27609:2007-06 (E)

Vibration in hand-held tools - Vibration measurement methods for grinders - Evaluation of round-robin test

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Symbols and abbreviated terms	1
3	Method	3
4	Description of two test methods evaluated	3
4.1	Unbalance disc test method	3
4.2	Grinding test method	4
5	Results	4
5.1	General	4
5.2	Spread of methods	5
5.2.1	Unbalance disc test	5
5.2.2	Grinding test	8
5.2.3	Correlation between no-load and grinding vibration	10
5.3	Unbalance disc test for simulating real grinding	12
5.4	Measurements repeated over time	13
6	Conclusion	14
6.1	Unbalance disc test	14
6.2	Grinding test	14
6.3	Repeatability	14
Annex A (informative)	Test instructions -- "Instruction for participants in the 2003 round-robin test on grinders. The aim is to evaluate the proposed changes to ISO 8662-4:1994 in document ISO/TC 118/SC 3/WG 3 N211"	15
Annex B (informative)	Diagrams	21
Annex C (informative)	List of grinders and laboratories	28
Bibliography		29