



ISO Standards Handbook:

Mechanical vibration and shock

Volume 2: Human exposure to vibration and shock; vibration in relation to vehicles, specific equipment and machines, buildings

1995, Ed. 2, 394 p., ISBN 92-67-10220-6

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Human exposure to vibration and shock

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| ISO 2631-3:1985 | Evaluation of human exposure to whole-body vibration – Part 3: Evaluation of exposure to whole-body z-axis vertical vibration in the frequency range 0,1 to 0,63 Hz |
| ISO 5349:1986 | Mechanical vibration – Guidelines for the measurement and the assessment of human exposure to hand-transmitted vibration |
| ISO 5982:1981 | Vibration and shock – Mechanical driving point impedance of the human body |
| ISO 6897:1984 | Guidelines for the evaluation of the response of occupants of fixed structures, especially buildings and off-shore structures, to low-frequency horizontal motion (0,063 to 1 Hz) |
| ISO 7962:1987 | Mechanical vibration and shock – Mechanical transmissibility of the human body in the z direction |
| ISO 8041:1990 ¹⁾ | Human response to vibration – Measuring instrumentation |

Vibration in relation to vehicles

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| ISO 2671:1982 | Environmental tests for aircraft equipment – Part 3.4: Acoustic vibration |
| ISO 3046-5:1978 | Reciprocating internal combustion engines – Performance – Part 5: Torsional vibrations |
| ISO 4548-7:1990 | Methods of test for full-flow lubricating oil filters for internal combustion engines – Part 7: Vibration fatigue test |
| ISO 4867:1984 | Code for the measurement and reporting of shipboard vibration data |

1) Incorporates the changes made by Technical Corrigendum 1:1993 to ISO 8041:1990

ISO 4868:1984	Code for the measurement and reporting of local vibration data of ship structures and equipment
ISO 5007:1990	Agricultural wheeled tractors – Operator's seat – Laboratory measurement of transmitted vibration
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ISO 6954:1984	Mechanical vibration and shock – Guidelines for the overall evaluation of vibration in merchant ships
ISO 7096:1994	Earth-moving machinery – Laboratory evaluation of operator seat vibration
ISO 8002:1986	Mechanical vibrations – Land vehicles – Method for reporting measured data
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Vibration in relation to specific equipment and machines

ISO 6267:1980	Alpine skis – Measurement of bending vibrations
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ISO 8579-2:1993	Acceptance code for gears – Part 2: Determination of mechanical vibrations of gear units during acceptance testing
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Vibration in relation to buildings

ISO 4866:1990	Mechanical vibration and shock – Vibration of buildings – Guidelines for the measurement of vibrations and evaluation of their effects on buildings
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ISO 8569:1989	Mechanical vibration – Shock-and-vibration-sensitive electronic equipment – Methods of measurement and reporting data of shock and vibration effects in buildings
ISO 10137:1992	Bases for design of structures – Serviceability of buildings against vibration