

# DIN ISO 2631-5:2022-09 (E)

## Mechanical vibration and shock - Evaluation of human exposure to whole-body vibration - Part 5: Method for evaluation of vibration containing multiple shocks (ISO 2631-5:2018, Corrected version 2022-01)

---

<b>Contents</b>	<b>Page</b>
National foreword .....	3
National Annex NA (informative) Bibliography .....	4
Foreword .....	5
Introduction .....	6
1 Scope .....	7
2 Normative references .....	7
3 Terms, definitions and symbols .....	8
4 Delineation of the two exposure regimes .....	9
5 Description of the model .....	10
5.1 Vibration measurement .....	10
5.1.1 General considerations .....	10
5.1.2 Measurement location and specific hardware requirements .....	10
5.1.3 Signal conditioning .....	11
5.1.4 Measurement duration .....	12
5.2 Determination of spinal response .....	12
5.3 Calculation of spinal response dose .....	15
Annex A (informative) Alternative model for the determination of spinal response during exposures without loss of contact with seat surface .....	16
Annex B (informative) General relationship between acceleration dose and health effects .....	22
Annex C (informative) Assessment of health effects for exposures that are described in Clause 5 ...	23
Annex D (informative) Example of digital implementation of transfer function for exposures that are described in Clause 5 .....	27
Annex E (informative) Assessment of health effects for exposures without loss of contact with seat surface .....	29
Bibliography .....	35