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Mechanical vibration - Description and determination of seated postures with reference to whole-body vibration

机械振动 基于全身振动的坐姿的描述和测定

(English Translation)

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Foreword

GB/Z 210-2026 is a national guiding technical document (GB/Z) of the People's Republic of China, issued on 27 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the Standardization Administration of China.

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1 Scope

Description and determination of seated postures with reference to whole-body vibration is the subject of this guiding technical document on mechanical vibration. The posture of a seated person influences how vibration passes through the body, so measurement and reporting of exposure benefit from a consistent way of describing posture. It adopts an international standard.

Vehicle and machine designers, seat manufacturers, occupational health professionals, ergonomics researchers and vibration test laboratories are the likely readers. As a GB/Z document it provides guidance rather than mandatory requirements.

Those studying operator exposure on mobile machinery, or preparing test reports that need to document the seated posture of subjects, can use it as a technical reference. It was issued on 27 August 2026 by the Standardization Administration of China. A common description of posture also makes it easier to compare exposure studies carried out by different laboratories on tractors, trucks and similar machines.

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