

DIN 4150-3

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**Vibrations in buildings –
Part 3: Effects on structures,
English translation of DIN 4150-3:2016-12**

Erschütterungen im Bauwesen –
Teil 3: Einwirkungen auf bauliche Anlagen,
Englische Übersetzung von DIN 4150-3:2016-12

Vibrations dans les bâtiments –
Partie 3: Effets sur les construction,
Traduction anglaise de DIN 4150-3:2016-12

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A comma is used as the decimal marker.

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Foreword

This standard has been prepared by Working Committee NA 005-51-05 AA “Vibrations in construction; Actions on structures and elements of structures” of *DIN-Normenausschuss Bauwesen* (DIN Standards Committee Building and Civil Engineering). It supersedes DIN 4150-3:1999-02.

DIN 4150, *Vibrations in buildings* consists of the following parts:

- Part 1: *Prediction of vibration parameters*
- Part 2: *Effects on persons in buildings*
- Part 3: *Effects on structures*

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Amendments

This standard differs from DIN 4150-3:1999-02 as follows:

- a) the standard has been revised in form and substance;
- b) subclauses 3.4 (peak vibration velocity), 3.7 (topmost floor), 6.3 (start-up and shutdown operations) and Table 2 (guideline values for underground cavities) have been included;
- c) an alternative method for evaluating effects of short-term vibration in foundations has been specified;
- d) the topmost floor has been specified as the part of the building where structural vibration is to be measured and assessed;
- e) the provisions relating to vibration measurement in buildings have been summarized in Clause 7;
- f) the status of Annex C has been changed to be normative.

Previous editions

DIN 4150-3: 1975-09, 1986-05, 1999-02