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DIN 4150-3:1986 VIBRATIONS IN BUILDINGS - Part 3: Effects on Structures

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Abbreviation

DIN 4150-3:1986

Version

1986

Valid from

01/05/1986

Information provider

IHS Markit

Author

German Institute for Standardisation (Deutsches Institut für Normung)

Information type

German Standard

Format

PDF

Cited By

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Description

Part 3 concerns the evaluation of vibrations on structures with the aim of avoiding damage, which would mean a diminution in the value of the structures. The starting point for this evaluation is the load resulting from vibrations the significance of which for structures with predominantly static loading (e.g. dwellings, office buildings and buildings which are comparable because of their type of construction and loading) is different for that for buildings which have to be able to absorb greater dynamic forces (e.g. machine foundations, bell towers) and are to be dimensioned accordingly.

Scope

This standard is intended to set out principles by which vibration in structures can be predetermined or measured, and also prepare reference values according to which the effects of the vibrations on people and structures can be evaluated. With the aid of this evaluation, decisions can be taken regarding measures for vibration isolation by means of which vibration can be avoided or reduced to such an extent that it causes no serious discomfort to people and does not impose impermissible loads on the structure.

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