

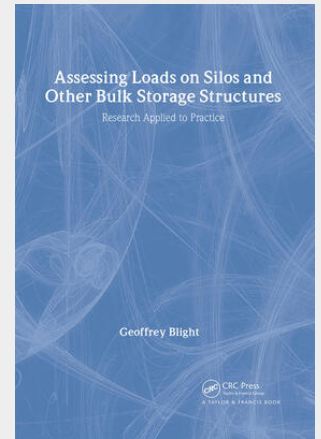
Blight

## Assessing Loads on Silos and Other Bulk Storage Structures

Research Applied to Practice

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This comprehensive and unique work considers the various aspects involved in the behaviour of bulk storage structures. It is the accumulation of over 30 years of study, experiments and field measurements by the author, covering design, examination and evaluation of bulk storage structures. The subjects treated in this volume range from design, through operational behaviour, to failure and its prevention. The following areas are considered: theories of stresses and strains in particulate materials; material testing and evaluation for the prediction of a structure's loads and behaviour; methods for calculating loads and safety assessment; comparisons of field measurements with theoretical predictions; effects of non-ideal behaviour of stored materials; use of silo-related theories in geotechnical applications; measuring strains, deformations and pressure in operating structures; and case histories of silo problems, their causes and solutions. This title is highly valuable in informing professional engineers and researchers working in the fields of design, examination and evaluation of silos and bulk storage structures.



**201,50 €**

188,32 € (zzgl. MwSt.)

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**Artikelnummer:** 9780415392372

**Medium:** Buch

**ISBN:** 978-0-415-39237-2

**Verlag:** Taylor & Francis Ltd

**Erscheinungstermin:** 22.12.2005

**Sprache(n):** Englisch

**Auflage:** 1. Auflage 2005

**Produktform:** Gebunden

**Gewicht:** 620 g

**Seiten:** 260

**Format (B x H):** 179 x 253 mm

