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Australia



Earth-moving machinery — Loader and front loading excavator buckets — Volumetric ratings



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- Department of Natural Resources, Mines and Energy, Qld
- Department of Regional NSW
- Engineers Australia
- Institute of Instrumentation, Control & Automation Australia
- Minerals Council of Australia
- Mining Electrical and Mining Mechanical Engineering Society
- University of Queensland

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Preface

This Standard was prepared by the Standards Australia Committee ME-063, Earthmoving Equipment.

The objective of this document is to specify a method for approximating the volume of typical materials contained in the bucket of front end loaders and excavators with front loading buckets. The volume ratings are based on the inside dimensions of the bucket and representative volumes on top of the bucket.

The method employs the technique of dividing the complex shape of the material in the bucket into simple geometric forms to allow volume calculations of different bucket configurations.

The rating method is intended to provide a consistent means of comparing bucket capacities. It is not intended to define actual capacities that might be observed in any specific application.

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