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# Earth-moving machinery — Dumpers — Terminology and commercial specifications



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This Australian Standard ® was prepared by ME-063, Earthmoving Equipment. It was approved on behalf of the Council of Standards Australia on 26 May 2021.

This Standard was published on 4 June 2021.

The following are represented on Committee ME-063:

Australian Industry Group  
Better Regulation Division — SafeWork NSW  
Construction and Mining Equipment Industry Group  
Department of Regional NSW  
Department of Resources, Qld  
Engineers Australia  
Institute of Instrumentation, Control & Automation Australia  
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This Standard was issued in draft form for comment as DR AS ISO 7132:2021.

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ISBN 978 1 76113 370 1

# Earth-moving machinery — Dumpers — Terminology and commercial specifications

First published as AS ISO 7132:2021.

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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 establish a terminology for, and the content of, commercial literature specifications for self-propelled dumpers (including compact dumpers), as defined in ISO 6165, used in earth moving.

This document is identical with, and has been reproduced from, ISO 7132:2003, *Earth-moving machinery — Dumpers — Terminology and commercial specifications*, and its Amendment 1 (2018), which has been added at the end of the source text.

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee 127, *Earth-moving machinery*, Subcommittee SC 4, *Terminology, commercial nomenclature, classification and ratings*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

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# Australian Standard<sup>®</sup>

## Earth-moving machinery — Dumpers — Terminology and commercial specifications

### 1 Scope

This International Standard establishes a terminology for, and the content of, commercial literature specifications for self-propelled dumpers (including compact dumpers), as defined in ISO 6165, used in earth moving.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3450, *Earth-moving machinery — Braking systems of rubber-tyred machines — Systems and performance requirements and test procedures*

ISO 5010, *Earth-moving machinery — Rubber-tyred machines — Steering requirements*

ISO 6014:1986, *Earth-moving machinery — Determination of ground speed*

ISO 6016:1998, *Earth-moving machinery — Methods of measuring the masses of whole machines, their equipment and components*

ISO 6165, *Earth-moving machinery — Basic types — Vocabulary*

ISO 6483:1980, *Earth-moving machinery — Dumper hoppers — Volumetric rating*

ISO 6746-1, *Earth-moving machinery — Definitions of dimensions and codes — Part 1: Base machine*

ISO 7457:1997, *Earth-moving machinery — Determination of turning dimensions of wheeled machines*

ISO 9249:1997, *Earth-moving machinery — Engine test code — Net power*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6165 and the following apply.

#### 3.1 General

##### 3.1.1

##### **dumper**

self-propelled crawler or wheeled machine, with an open body, which transports and dumps or spreads material, loading being performed either by means external to the dumper or by self-loading equipment

##### 3.1.2

##### **base machine**

machine with a cab or canopy and operator-protective structures (if required), without equipment or attachments but possessing the necessary mountings for such equipment and attachments

##### 3.1.3

##### **equipment**

set of components mounted onto the base machine which allows an attachment to perform its design function