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Australia



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



AS ISO 6747:2021

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- 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
- 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 establish terminology and the content of commercial literature specifications for self-propelled crawler and wheeled dozers and their equipment.

This document is identical with, and has been reproduced from, ISO 6747:2013, *Earth-moving machinery — Dozers — Terminology and commercial specifications*.

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 6747 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 4, *Terminology, commercial nomenclature, classification and ratings*.

This fourth edition cancels and replaces the third edition (ISO 6747:1998), which has been technically revised.

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

## 1 Scope

This International Standard establishes terminology and the content of commercial literature specifications for self-propelled crawler and wheeled dozers and their equipment.

## 2 Normative references

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

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

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

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

ISO 6746-2, *Earth-moving machinery — Definitions of dimensions and codes — Part 2: Equipment and attachments*

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

ISO 9249:2007, *Earth-moving machinery — Engine test code — Net power*

ISO 15550:2002, *Internal combustion engines — Determination and method for the measurement of engine power — General requirements*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1 General

#### 3.1.1

##### **dozer**

self-propelled crawler or wheeled machine with equipment having either a dozing attachment which cuts, moves and grades material through forward motion of the machine or a mounted attachment used to exert a push or a pull force

[SOURCE: ISO 6165:2012, 4.1]

Note 1 to entry: See [Figures 10, 11](#).

#### 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 mounting for such equipment and attachments

[SOURCE: ISO 6746-1:2003, 3.3]