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Australia



# Earth-moving machinery — Hydraulic excavators — Terminology and commercial specifications



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# Earth-moving machinery — Hydraulic excavators — Terminology and commercial specifications

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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 hydraulic excavators and their equipment and attachments.

This document is identical with, and has been reproduced from, ISO 7135:2009, *Earth-moving machinery — Hydraulic excavators — Terminology and commercial specifications*, and its Amendment 1 (2019), 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 ISO/TC 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).

# Australian Standard®

## Earth-moving machinery — Hydraulic excavators — Terminology and commercial specifications

### 1 Scope

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

It is applicable to common components and does not cover terms or commercial specifications specific to walking excavators.

### 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 for braking systems*

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

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

ISO 6015, *Earth-moving machinery — Hydraulic excavators and backhoe loaders — Methods of determining tool forces*

ISO 6165:2006, *Earth-moving machinery — Basic types — Identification and terms and definitions*

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

ISO 6746-2:2003, *Earth-moving machinery — Definitions of dimensions and codes — Part 2: Equipment and attachments*

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

ISO 10265, *Earthmoving machinery — Crawler machines — Performance requirements and test procedures for braking systems*

ISO 10567, *Earth-moving machinery — Hydraulic excavators — Lift capacity*

ISO 14396, *Reciprocating internal combustion engines — Determination and method for the measurement of engine power — Additional requirements for exhaust emission tests in accordance with ISO 8178*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6165, ISO 6746-1 and ISO 6746-2 and the following apply.