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Earth-moving machinery — Cable excavators — Terminology and commercial specifications



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- 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 cable excavators and their equipment.

This document is identical with, and has been reproduced from, ISO 15219:2004, *Earth-moving machinery — Cable excavators — Terminology and commercial specifications*.

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Foreword

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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 15219 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 4, *Commercial nomenclature, classification and rating*.

Australian Standard®

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1 Scope

This International Standard establishes terminology and the content of commercial literature specifications for self-propelled, crawler and wheeled cable excavators and their equipment. Cable excavators are primarily used for dragline, grab and clamshell applications and temporarily for lifting applications. While the base machine is often used as a carrier of equipment in special applications such as drilling and piling, specification of the dimensions of such equipment is outside the scope of this International Standard.

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

ISO 6746-1:2003, *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*

3 Terms and definitions

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

3.1

excavator

self-propelled machine on crawlers, wheels or legs, having an upper structure normally capable of a 360° swing with mounted equipment, primarily designed for excavating with a bucket, without moving the undercarriage during the work cycle

[SOURCE: ISO 6165:2001, definition 1.2.4]

Note 1 to entry: An excavator work cycle normally comprises excavating, elevating, swinging and discharging material.

Note 2 to entry: An excavator can also be used for object or material handling.

3.2

cable excavator

excavator having a wire rope-operated upper structure primarily designed for excavating with a dragline bucket, a front shovel or grab, used for compacting material with a compaction plate, for demolition work by hook or ball and for material handling with special equipment and attachment

[SOURCE: ISO 6165:2001, definition 1.2.4.3]