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Earth-moving machinery — Rollers and compactors — Terminology and commercial specifications



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Engineers Australia
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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 define the terms used to describe, and the commercial specification of, rollers and compactors, their equipment and attachments. It identifies the different types of machines, in addition to their nomenclature, and the symbols used to indicate their dimensions and those of their attachments. Self-propelled, towed, walk-behind (pedestrian) and attachment-type-compactors are covered.

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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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 8811 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 4, *Commercial nomenclature, classification and rating*.

Australian Standard[®]

Earth-moving machinery — Rollers and compactors — Terminology and commercial specifications

1 Scope

This International Standard defines the terms used to describe, and the commercial specification of, rollers and compactors, their equipment and attachments. It identifies the different types of machines, in addition to their nomenclature, and the symbols used to indicate their dimensions and those of their attachments. Self-propelled, towed, walk-behind (pedestrian) and attachment-type-tractor machines are covered.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

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 6746-1:—¹⁾, *Earth-moving machinery — Definitions of dimensions and symbols — Part 1: Base machine.*

ISO 6746-2:—²⁾, *Earth-moving machinery - Definitions of dimensions and symbols - Part 2: Equipment.*

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

3 Terms and definitions

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

3.1 General

3.1.1

landfill compactor

self-propelled compaction machine having front-mounted equipment or attachments for dozing or loading, whose wheels are able to crush and compact waste material, and which can move, grade and load soil, landfill or refuse

3.1.2

roller

self-propelled or towed machine having one or more metallic cylindrical bodies (drums) or rubber tyres whose rolling or vibrating action, or both, it uses to compact materials such as crushed rock, earth, asphalt or gravel

1) To be published. (Revision of ISO 6746-1:1987)

2) To be published. (Revision of ISO 6746-2:1987)