AS ISO 7136:2021
ISO 7136:2006

Australian STANDARD®

STANDARDS Australia

Earth-moving machinery — Pipelayers — Terminology and commercial specifications

AS ISO 7136:2021

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 11 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
Minerals Council of Australia
Mining Electrical and Mining Mechanical Engineering Society
University of Queensland

This Standard was issued in draft form for comment as DR AS ISO 7136:2021.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:
www.standards.org.au

ISBN 978 1 76113 376 3

Earth-moving machinery — Pipelayers — Terminology and commercial specifications

First published as AS ISO 7136:2021.

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 pipelayers and their equipment.

This document is applicable to pipelayers as defined in ISO 6165.

This document is identical with, and has been reproduced from, ISO 7136:2006, *Earth-moving machinery — Pipelayers — Terminology and commercial specifications*.

As this document has been reproduced from an International Standard, the following applies:

(a) In the source text "this International Standard" should read "this document".

(b) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms "normative" and "informative" are used in Standards to define the application of the appendices or annexes to which they apply. A "normative" appendix or annex is an integral part of a Standard, whereas an "informative" appendix or annex is only for information and guidance.

Contents

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 7136 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 4, *Commercial nomenclature, classification and rating*.

This third edition cancels and replaces the second edition (ISO 7136:1998), which has been technically revised.

Australian Standard®

Earth-moving machinery — Pipelayers — Terminology and commercial specifications

1 Scope

This International Standard establishes terminology and the content of commercial literature specifications for self-propelled pipelayers and their equipment. It is applicable to pipelayers as defined in ISO 6165.

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 6014, *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 6165:2006, *Earth-moving machinery — Basic types — Identification and terms and definitions*

ISO 6746 (all parts), *Earth-moving machinery — Definitions of dimensions and codes*

ISO 9249, *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
pipelayer
(pipelayers with rigid upper structure) self-propelled crawler or wheeled machine, having pipe-laying equipment with main frame, load-hoist mechanism, vertically pivotable side boom and counterweight, primarily designed to handle and lay pipes

[SOURCE: ISO 6165:2006, definition 4.11]

3.1.2
rotating pipelayer
self-propelled crawler or wheeled machine, having pipe-laying equipment with main frame, load hoist mechanism with either a load hoist drum or a winch, vertically pivotable boom, fitted on a rotating upper structure, and counterweight, primarily designed to handle and lay pipes

[SOURCE: ISO 6165:2006, definition 4.12]

3.1.3
side boom
equipment added to a tractor or a loader (wheel or crawler type machine), which is designed to handle and lay pipes and carry pipe-laying equipment

Note 1 to entry: The equipment includes boom and load hoist mechanisms and a vertically pivotable side boom. It can be with or without counterweights.