INTERNATIONAL STANDARD

ISO 7132

Third edition
2003-12-01

AMENDMENT 1
2018-12

Earth-moving machinery — Dumpers — Terminology and commercial specifications

AMENDMENT 1

Engins de terrassement — Tombereaux — Terminologie et spécifications commerciales

AMENDEMENT 1

Reference number
ISO 7132:2003/Amd.1:2018(E)

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

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).

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).

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.

This document was prepared by Technical Committee 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.

Earth-moving machinery — Dumpers — Terminology and commercial specifications

AMENDMENT 1

Page 1, Clause 2, Normative references

Undate ISO 6014:1986 into ISO 6014, ISO 6016:1998 into ISO 6016, ISO 6483:1980 into ISO 6483, ISO 7457:1997 into ISO 7457, and ISO 9249:1997 into ISO 9249.

Replace ISO 6165 title, "*Earth-moving machinery — Basic types — Vocabulary*", with "*Earth-moving machinery — Basic types — Identification and terms and definitions*".

Page 1, Clause 3, Terms and definitions, Sub-clause 3.1, General

Replace entry 3.1.1 with the following:

"**3.1.1**
dumper
self-propelled or towed crawler or wheeled machine with an open body, which transports and dumps or spreads material, and where loading is performed by means external to the dumper

Note 1 to entry: A compact dumper can have integral self-loading equipment.

[SOURCE: ISO 6165:2012, 4.6]"

Add the following new entries 3.1.1.1 to 3.1.1.5 under 3.1.1:

"**3.1.1.1**
rigid-frame dumper
dumper (3.1.1) having a rigid frame and wheel or crawler steering

[SOURCE: ISO 6165:2012, 4.6.1]

3.1.1.2
articulated-frame dumper
dumper (3.1.1) with an articulated frame which accomplishes the steering of the machine

[SOURCE: ISO 6165:2012, 4.6.2]

3.1.1.3
swing dumper
dumper (3.1.1) having a 360° swing upper structure, whose upper structure consists of a rigid frame, the open body and the operator's station, and whose undercarriage consists of a track type or wheeled unit

[SOURCE: ISO 6165:2012, 4.6.3]

3.1.1.4
towed dumper
towed wagon
dumper (3.1.1) that is not self-propelled but which is propelled instead by a towing machine on which the operator's station is located

Note 1 to entry: The towed dumper can function in different ways (e.g. side-dump, bottom-dump, rear-dump or use an ejector).

[SOURCE: ISO 6165:2012, 4.6.4]

3.1.1.5
compact dumper
articulated frame dumper (3.1.1.2) or *rigid frame dumper* (3.1.1.1) having an operating mass in accordance with ISO 6016 of 4 500 kg or less

Note 1 to entry: A compact dumper can have integral self-loading equipment.

[SOURCE: ISO 20474-6:2017, 3.5, modified - "in accordance with ISO 6016" has been added in the definition, Note 2 to entry has been deleted.]"

Page 2, Clause 3, Terms and definitions, Sub-clause 3.2, Performance

Replace entry 3.2.1 with the following:

"**3.2.1**
tractive force rimpull
force available between the tyre or the crawler and the ground to propel the dumper"

Replace entry 3.2.2 with the following:

"**3.2.2**
empty body dump and return time
full movement cycle time of a body, door or ejector without load, at the rated engine speed, consisting of *empty body dump time* (3.2.2.1) and *empty body return time* (3.2.2.2)

3.2.2.1
empty body dump time
movement time of a body, door or ejector without load, at the engine speed as specified by the manufacturer at which the empty dump body can dump within a shortest timeframe, from the beginning of the movement of a body dumping or of a door/ejector opening to the end of the dumping or opening movement

3.2.2.2
empty body return time
returning movement time of a body, door or ejector without load, at the engine speed as specified by the manufacturer at which the empty dump body can return within a shortest timeframe, from the body uppermost position (after dumping) or from the door/ejector most widely opened position to the beginning position of a body dumping or a door/ejector opening"

Page 3, 4.1.1, seventh dash

Replace "Slewing dump" with "Swing dump".

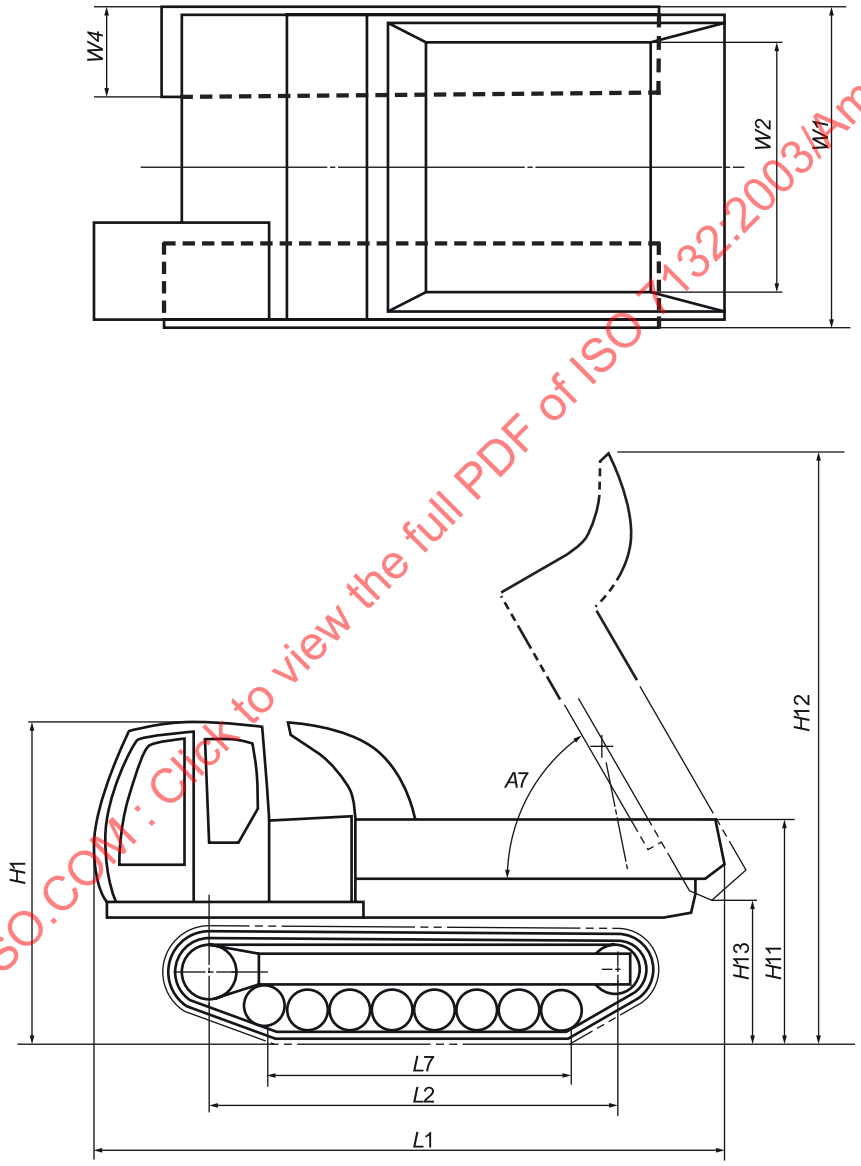
Page 4, Figure 7, title

Replace "Slewing dump" with "Swing dump".

Page 11, Clause 4

Add a new sub-figure "d) Crawler dumper" to existing Figure 26, renumber 4.2.2 into 4.2.3, and insert a new “4.2.2 Crawler dumper”, after 4.2.1, as follows:

“



d) Crawler dumper

Figure 26 — Dimensions of base machine — Dumper

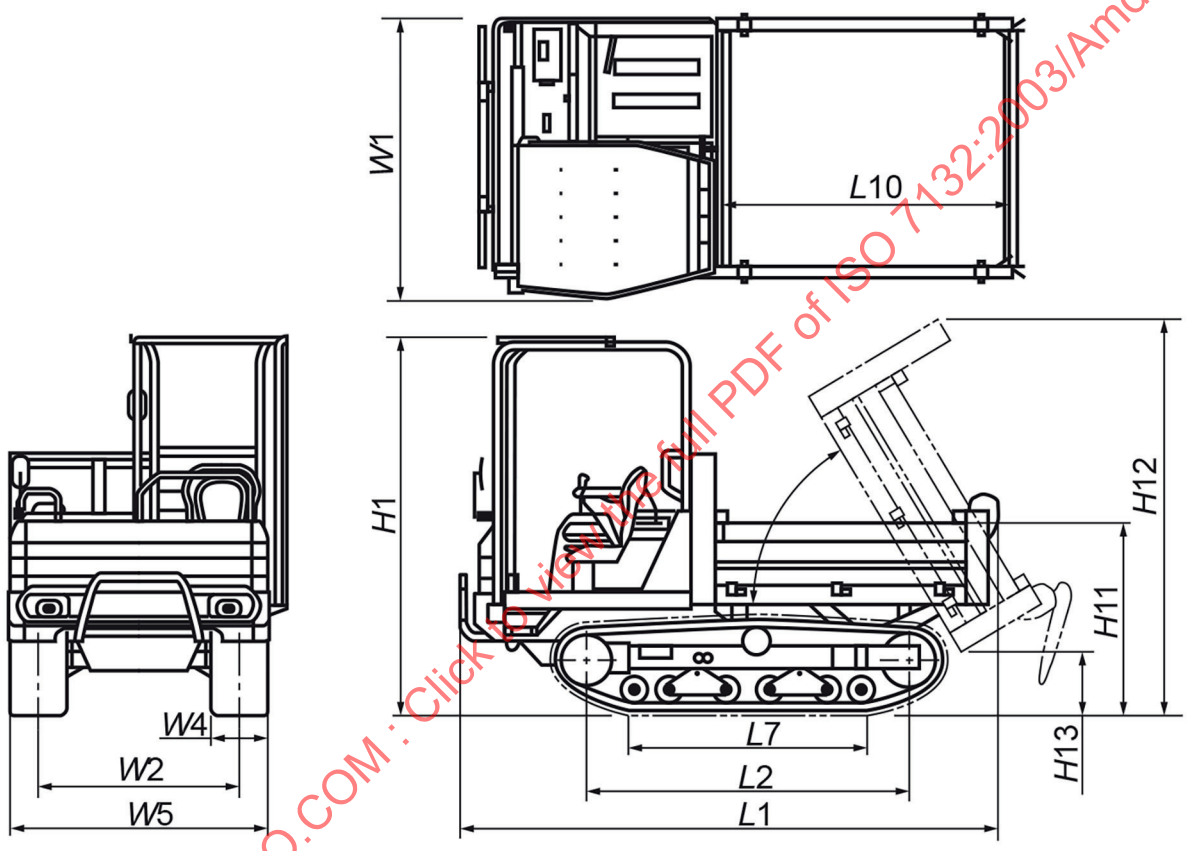
4.2.2 Crawler dumper

See Figure 26 d). For additional definitions of dimensions and their terms and codes related to dumpers, see Annex A."

Page 13, sub-clause 4.2.2 (now renumbered 4.2.3), Figure 30

Rename code "*L*" (without numeral) into "*L7*", add a sub-title "a) Front operator position" to the existing figure, and add a new sub-figure entitled "b) Front LH operator position", as follows:

"



b) Front LH operator position

Figure 30 — Dimensions of crawler compact dumper — Front operator position"

Page 27, Annex A

Add Code *L7* with its term and definition as follows:

Code	Term and definition	Illustration
L7	**crawler ground contact length** distance on X coordinate between the machine crawler ground contacting most front end and the rearmost end	See Figure 26, d)