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AMENDMENT 1
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**Earth-moving machinery — Dumpers
— Terminology and commercial
specifications**

AMENDMENT 1

*Engins de terrassement — Tombereaux — Terminologie et
spécifications commerciales*

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STANDARDSISO.COM : Click to view the full PDF of ISO 7132:2003/Amd 1:2018



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This document was prepared by Technical Committee 127, *Earth-moving machinery*, Subcommittee SC 4, *Terminology, commercial nomenclature, classification and ratings*.

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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".

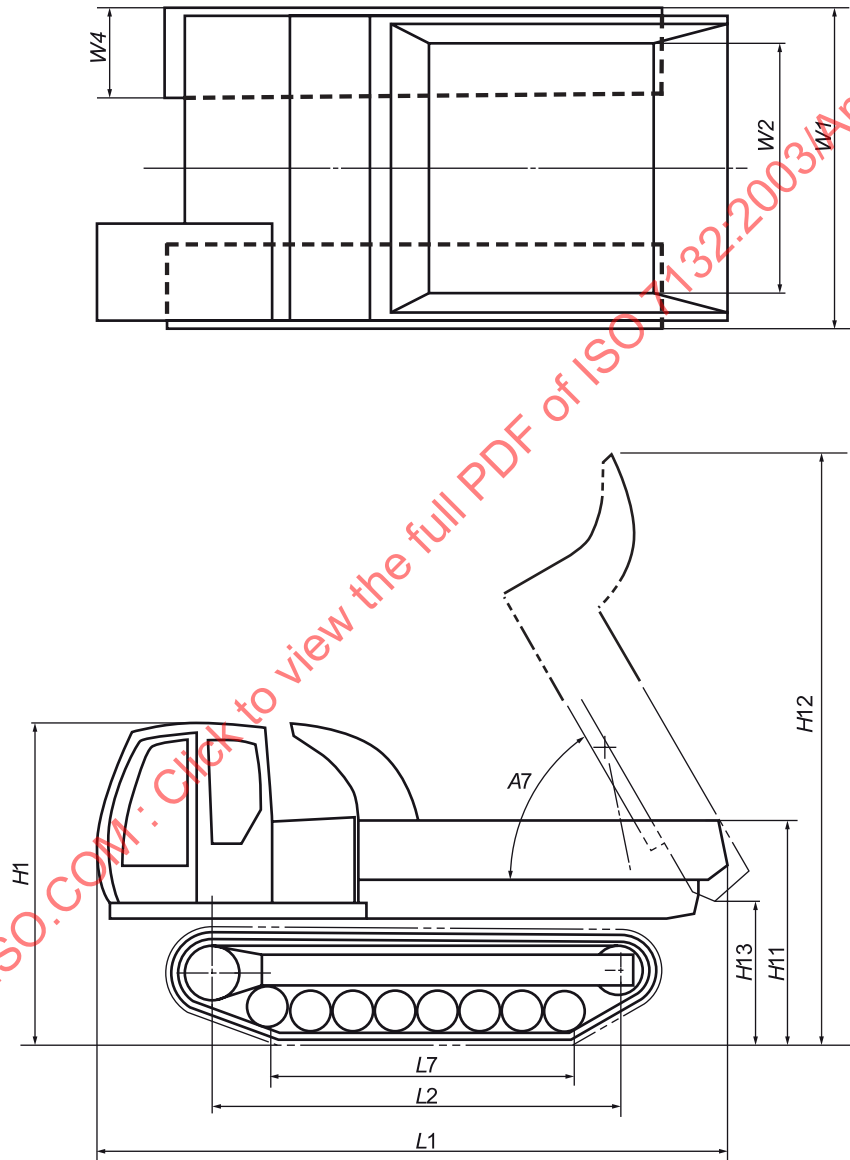
Page 4, Figure 7, title

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

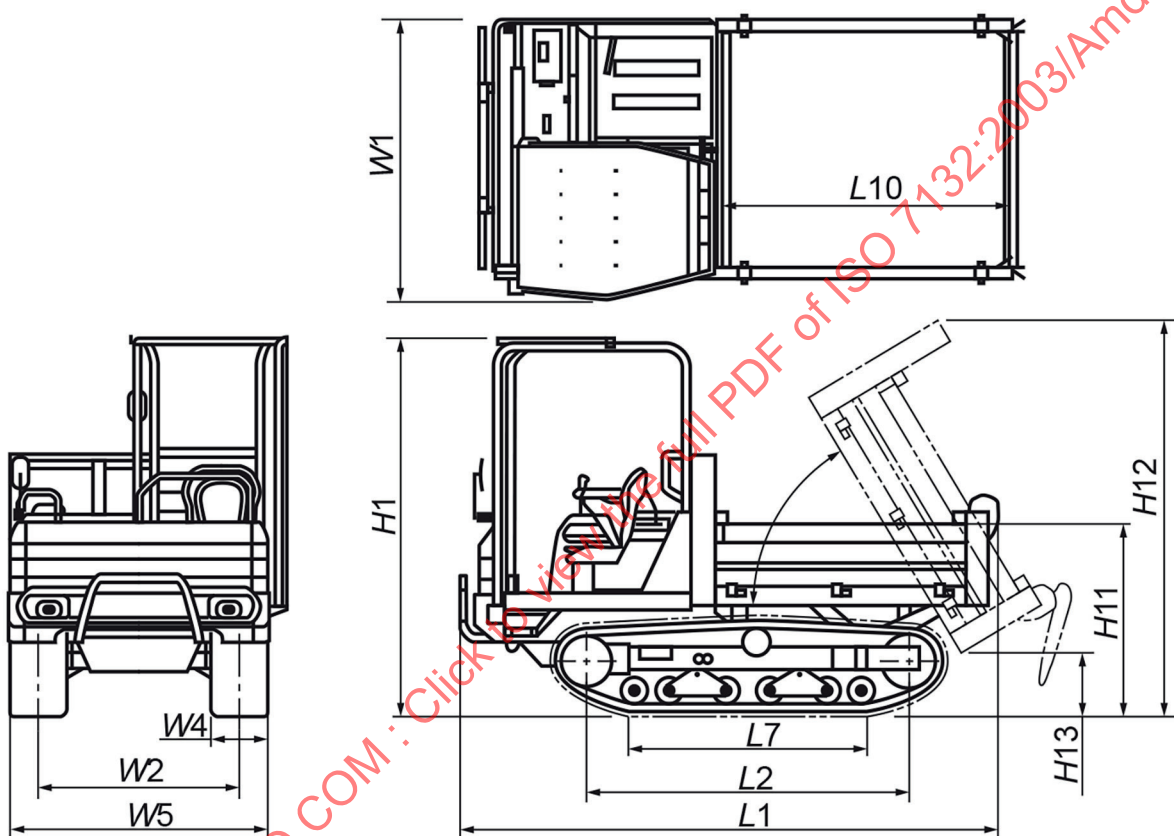
4.2.2 Crawler dumper

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)