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

*Engins de terrassement — Méthodes de mesure des masses des engins
complets, de leurs équipements et de leurs organes constitutifs*



Foreword

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International Standard ISO 6016 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 1, *Test methods relating to machine performance*.

This second edition cancels and replaces the first edition (ISO 6016:1982), which has been technically revised.

Annex A of this International Standard for information only.

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Printed in Switzerland

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

1 Scope

This International Standard specifies methods for determining the masses of whole machines, their equipment, attachments or components, using weighbridges, pressure dynamometers (load cells) or extension dynamometers.

It is applicable to earth-moving machinery as defined in ISO 6165.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 6165: 1997, *Earth-moving machinery — Basic types — Vocabulary*.

ISO 9248:1992, *Earth-moving machinery — Units for dimensions, performance and capacities, and their measurement accuracies*.

3 Definitions

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

3.1 General definitions

3.1.1 base machine: Machine with, if required, cab or canopy and operator-protective structures, without equipment or attachment, but including the mountings necessary to connect equipment or attachment. (See figure 1.)

3.1.2 equipment: Set of components mounted onto the base machine which allow an attachment to perform its primary design function. (See figure 1.)

3.1.3 optional equipment: Optional items of equipment mounted onto the base machine to increase, for example, capacity, flexibility, comfort and safety.

3.1.4 attachment (tool): Assembly of components that can be mounted onto the base machine or equipment for specific use. (See figure 1.)

3.1.5 component: Part, or an assembly of parts, of a base machine, equipment or attachment.