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Building construction machinery and equipment — Concrete mixers —

Part 1: Commercial specifications

Machines et matériels pour la construction des bâtiments — Malaxeurs à béton —

Partie 1: Spécifications commerciales

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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.

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).

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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 ISO/TC 195, *Building construction machinery and equipment*, Subcommittee SC 1, *Machinery and equipment for concrete work*.

This second edition cancels and replaces the first edition (ISO 18650-1:2004), which has been technically revised.

The main changes compared to the previous edition are as follows:

— added definition for "self-loading mobile concrete mixer" in 3.1.3.4 and also added reference to Figures A.23 and A.24;

— added commercial specifications for discharging-chute concrete mixer in 5.3.4 and self-loading mobile concrete mixer in 5.3.8;

— added Figures A.17 to A.22 for clarification of classification.

A list of all parts in the ISO 18650 series can be found on the ISO website.

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Building construction machinery and equipment — Concrete mixers —

Part 1: Commercial specifications

1 Scope

This document establishes the content for commercial literature for concrete mixers used either as individual machines on building sites or as components of batching plants.

Definitions refer to whole machines, their structure and parameters.

The commercial specifications establish technical characteristics of the whole machines and their components.

Truck mixers, as defined in ISO 19711-1, are excluded from this document.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
concrete mixer
machine designed for the production of concrete by mixing of measured (by mass or volume) proportions of water, cement, aggregate and possibly chemical additives, within a certain time limit

Note 1 to entry: A concrete mixer can be furnished with the following accessories: charging skip hoist, fixed or wheeled, or self-propelled supporting frame, mechanical shovel, water dosing equipment, and a skip weighing system.

3.1.1
batch-type concrete mixer
concrete mixer (3.1) in which charging with concrete constituents and discharging of the drum are carried out periodically, in batches

3.1.2
continuous-type concrete mixer
concrete mixer (3.1) in which charging with concrete constituents and discharging of the drum are carried out continuously as an uninterrupted flow

Note 1 to entry: See Figures A.15 and A.16 for examples.

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