
**Building construction machinery and
equipment — Concrete mixers —**

**Part 1:
Vocabulary and general specifications**

*Machines et matériels pour la construction des bâtiments — Malaxeurs
de béton —*

Partie 1: Vocabulaire et spécifications générales



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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.

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 18650-1 was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*.

ISO 18650 consists of the following parts, under the general title *Building construction machinery and equipment — Concrete mixers*:

— *Part 1: Vocabulary and general specifications*

A Part 2 dealing with the procedures for examination of the mixing efficiency is in preparation.

Introduction

This International Standard deals with concrete mixers used either as individual machines on building sites or as components of batching plants.

The document provides the terms, definitions and commercial specifications for the subject machines.

The definitions refer to whole machines, their structures and parameters.

The commercial specifications establish technical characteristics of the whole machines and their components. Enclosed figures explain structures and dimensions characteristic of the concrete mixers.

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Building construction machinery and equipment — Concrete mixers —

Part 1: Vocabulary and general specifications

1 Scope

This International Standard establishes additional terms and definitions to describe the functioning and the required and optional components for various types of concrete mixers. The content of commercial literature specifications for these types of machines is defined.

It applies to concrete mixers as defined in ISO 11375, truck mixers excluded.

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 11375:1998, *Building construction machinery and equipment — Terms and definitions*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 11375 and the following apply.

3.1

pan-type concrete mixer

compulsory mixer with agitators rotating about the vertical axis of a stationary or rotating pan

3.2

charging time

t_1

duration of charging the concrete components to the mixer for one batch

NOTE 1 Refers to batch-type concrete mixers.

NOTE 2 The charging time, t_1 , is expressed in units of seconds.

3.3

mixing time

t_2

⟨batch-type mixer⟩ duration from the completion of charging the concrete components to the completion of their mixing

NOTE The mixing time, t_2 , is expressed in units of seconds.