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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 43608.1-2023

**Building construction machinery and equipment - Truck mixers
- Part 1: Terminology and commercial specifications**

建筑施工机械与设备 混凝土搅拌运输车 第1部分：术语和商业规格

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting:

This document is Part 1 of GB/T 43608 "Concrete Mixer Trucks for Construction Machinery and Equipment": GB/T 43608 has been the following sections have been published:

---Part 1: Terminology and commercial specifications:

This document is equivalent to ISO 19711-1:2018 "Building construction machinery and equipment Concrete mixer trucks - Part 1: Terminology and Commercial Specifications":

This document has made the following minimal editorial changes:

a) Paragraphs specifying graphics have been added to Appendix A and Appendix B:

Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

Introduction

Unifying and standardizing the terminology and commercial specifications of concrete mixer trucks will help standardize my country's internal concrete mixer truck market and promote Technical exchanges between industries: Equivalent to the use of ISO standard terminology and business specifications, it is conducive to communication with international peers and the promotion of domestic mixing:

Concrete mixer truck products go global:

In concrete transportation and construction, concrete mixer trucks are widely used for their fast, efficient, environmentally friendly and quality-guaranteed characteristics: mix the unification of terminology and commercial specifications for concrete mixer trucks ensures smooth communication and cooperation between product manufacturers and users:

GB/T 43608 "Concrete Mixer Trucks for Construction Machinery and Equipment" is used to determine the standardization of concrete mixer trucks the specification is intended to consist of two parts:

---Part 1: Terminology and commercial specifications: The purpose is to unify and standardize the terminology and commercial specifications of concrete mixer trucks:

---Part 2: Safety requirements: The purpose is to standardize the structural and performance requirements for concrete mixer trucks in terms of safety:

Building construction machinery and equipment concrete mixer trucks Part 1: Terminology and Commercial Specifications

1 Scope

This document specifies the terminology and commercial specifications for concrete mixer trucks:

This document applies to the following two types of concrete mixer trucks:

- a) Automobile chassis concrete mixer truck;
- b) Semi-trailer concrete mixer truck:

This document does not apply to the following products:

- Stationary mixers (see ISO 18650-1);
- Vortex mixer (see ISO 18650-1);
- Concrete or mortar mixing station (see ISO 19720-1);
- Small mobile mixers (see ISO 18650-1);
- Special concrete mixer truck for tunnels;

---Mobile mixer (mobile concrete or mortar mixing station):

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document:

ISO 1176 Roadvehicles-Masses-Vocabularyandcodes Note: GB/T 3730.2-1996 Road vehicle quality vocabulary and codes (idtISO 1176:1990)

3 Terms and definitions

The terms and definitions defined in ISO 1176 and below apply to this document:

ISO and IEC terminology databases are maintained at:

---ISO online browsing platform: <https://www.iso.org/obp>;

concrete mixer truck truckmixer There is a mixing device (3:2) installed on the car chassis or semi-trailer, which can produce concrete mixture (3:20) by self-propelled or other power:

The device drags and transports concrete mixture or concrete mixture raw materials to the construction site:

Note: The raw materials of concrete mixture (3:20) that the mixer truck can transport include cement, aggregates (sand, pebbles, gravel) and ores:

3.1.1

Concrete mixing transportation where the concrete mixture (3:20) or the raw materials of the concrete mixture are discharged to the rear of the vehicle through the discharging device (3:11)