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

GB/T 7679.4-2025

Replacing GB/T 7679.4-2005

Mining machinery terminology - Part 4: Mine hauling equipment

矿山机械术语 第4部分：矿用运输设备

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is part 4 of GB/T 7679 "Mining Machinery Terminology". GB/T 7679 has published the following parts.

- Part 1: Mining equipment;
- Part 2: Loading equipment;
- Part 3: Lifting equipment;
- Part 4: Mining transport equipment;
- Part 5: Crushing and grinding equipment;
- Part 6: Mining screening equipment;
- Part 7: Washing equipment;
- Part 8: Roasting equipment.

This document replaces GB/T 7679.4-2005 "Mining machinery terminology Part 4: Mining transport equipment" and GB/T 7679.4- Compared with 2005, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) Added the terms and definitions of concrete mixing tank truck (see 3.1.15);
- b) Added brake system (see 3.2.2.2.1), service brake system (see 3.2.2.2.2), auxiliary brake system (see 3.2.2.2.3), parking brake system (see 3.2.2.2.4), Vehicle braking system (see 3.2.2.2.4), curb weight of the ore transport vehicle (see 3.2.2.2.5), drive axle (see 3.2.2.2.6), carriage lifting time (see 3.2.2.3.5), carriage lowering time (see 3.2.2.3.6), maximum traction (see 3.2.2.3.7), rated load (see 3.2.2.3.8), loading height (see 3.2.2.3.9), maximum height (see 3.2.2.3.10), underground material transport vehicle (see 3.2.3.1.2), underground Oil tanker (see 3.2.3.1.3), underground maintenance vehicle (see 3.2.3.1.4), underground lifting platform vehicle (see 3.2.3.1.5), underground crane vehicle (see 3.2.3.1.6), terms and definitions of boom lifts (see 3.2.3.2.6);
- c) Added trackless ore transport vehicles for open-pit mines (see 3.3.1), minimum turning diameter (see 3.3.2), emergency steering system (see 3.3.3), Terms and definitions of emergency brake system (see 3.3.4);
- d) Added the terms and definitions of hydraulic self-propelled equipment transporter (see 3.4.1.7) and frame-type pneumatic crane (see 3.4.1.8);
- e) Added rope grips (see 3.4.2.3.29), movable rope grips (see 3.4.2.3.31), and removable

rope grips (see 3.4.2.3.32) Terms and definitions;

f) Added mobile freight ropeway (see 3.4.3.1.1), initial tension (see 3.4.3.1.2), maximum working tension of wire rope (see 3.4.3.1.3), 4.3.1.3), load-bearing rope (see 3.4.3.2.1), traction rope (see 3.4.3.2.2), return rope (see 3.4.3.2.3), lifting rope (see 3.4.

3.2.4), stable cable (see 3.4.3.2.5), and smart sports car (see 3.4.3.2.6).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Mining Machinery (SAC/TC88).

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The previous versions of this document and the documents it replaces are as follows.

- First published as GB/T 7679.4-1987 in 1987 and first revised in 2005;
- This is the second revision.

Introduction

Terminology is a collection of names used to represent concepts in a specific discipline. It is one of the basic elements of standards and is an important part of scientific research, teaching, and technology.

GB/T 7679 "Mining Machinery Terminology" is based on the current situation of China's mining machinery industry.

A complete set of mining machinery industry terminology standards compiled based on international standards and foreign advanced standards.

It is one of the important basic industries that provides equipment for the mining and processing of materials, materials and fuels. It covers a wide range of areas and has a wide range of products.

The varieties are divided into the following parts.

- Part 1: Mining equipment. The purpose is to define the terms and definitions of mining machinery and mining equipment.
- Part 2: Loading equipment. The purpose is to define the terms and definitions of mining machinery loading equipment.
- Part 3: Hoisting equipment. The purpose is to define the terms and definitions of mining machinery and mining hoisting equipment.
- Part 4: Mining transport equipment. The purpose is to define the terms and definitions of mining machinery and mining transport equipment.
- Part 5: Crushing and grinding equipment. The purpose is to define the terms and definitions of mining machinery crushing and grinding equipment.
- Part 6: Mining screening equipment. The purpose is to define the terms and definitions of mining machinery and mining screening equipment.
- Part 7: Washing equipment. The purpose is to define the terms and definitions of mining mechanical washing equipment.
- Part 8: Roasting equipment. The purpose is to define the terms and definitions of mining machinery roasting equipment. Mining Machinery Terminology Part 4: Mining transport equipment

1 Scope

This document defines terms and definitions for mining haulage equipment.

This document is applicable to the design, scientific research, manufacturing, use, teaching, management, publishing, academic exchanges and international trade of mining transportation equipment. field.

2 Normative references

This document has no normative references.

3.1.1.1 Car volume

The geometric volume of the mine car when it is flat-packed.

3.1.1.2 Car load capacity

The product of the volume of the mine car and the loose density of the ore or material it contains.