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

GB/T 20315-2025

Replacing GB/T 20315-2006

**Road construction and maintenance equipment - Road milling
machinery - Terminology and commercial specifications**

道路施工与养护设备 路面铣刨机 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 supersedes GB/T 20315-2006 "Road Construction and Maintenance Equipment - Terminology and Commercial Specifications for Road Milling Machines" and is consistent with... Compared with GB/T 20315-2006, apart from structural adjustments and editorial changes, the main technical changes are as follows.

a) The definitions of the terms "road milling machine," "road milling machine chassis," and "working quality" have been changed (see 3.1, 3.2, and 3.6, 2006 edition). (2.1, 2.2 and 2.6)

b) Change the terms "milling device," "leveling device," and "collecting and unloading device" to "milling system," "leveling system," and "collecting and unloading device," respectively.

The definition of "material conveying system" has been changed (see 3.3-3.5, 2.3-2.5 in the 2006 edition);

c) The "Overview" section for road milling machines has been modified (see 4.1, 3.1 of the

2006 version);

d) The relevant provisions for tool arrangement, leveling, and milling depth control systems have been modified (see 4.2.4 and 4.2.5, and 3.2.4 in the 2006 edition). and 3.2.5);

e) The relevant provisions regarding other mass characteristics, engine characteristics, transmission characteristics, and driving position in the mass characteristics section have been changed (see 5.1.3 to 5.1.6). (Versions 4.1.3 to 4.1.6 of the 2006 edition)

f) Change "Driving Position" to "Steering Type" (see 5.1.6, 4.1.6 in the 2006 version);

g) The units of flow rate for liquid tanks and water pumps have been changed (see 5.1.8, 5.3, and 4.1.8 and 4.3 in the 2006 edition).

This document is equivalent to ISO 15645:2018, "Road construction and maintenance equipment - Road milling machines - Terminology and commercial specifications".

1 Scope

This document defines the terminology for road milling machines and specifies their functions, types, and characteristics.

This document applies to road milling machines used for milling and planing road surfaces constructed of concrete, asphalt, and similar materials.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Road milling machine

Mobile road construction machinery that removes road paving layers through milling.

3.2 Road milling machine chassis

It carries all components of the road milling machine and distributes the necessary power to different components to ensure the machine operates normally during construction and relocation. Rotating components.

3.3 A milling drum equipped with cutting tools, powered by a motor

Note: During the milling operation, the milling drum rotates continuously, and the milling cutter is mainly cooled by a water spraying device.

3.4 Leveling system

An automatic or manual control system used to obtain and maintain the geometry of the milled bottom surface.

Note: The geometry of the base depends on both the longitudinal and transverse slopes. The geometric reference depends on the existing road surface shape or is specifically set.

3.5 A conveying system for collecting and unloading loose materials

Note: The material is conveyed to the front, rear, or side conveyors, or piled on the side or rear of the road milling machine.

3.6 Operating mass

The main unit comes with all standard configurations, with or without a driver's cab, with or without rollover protection structure (ROPS), and is equipped with a driver (75kg) and fuel tank.

The mass when the sprinkler tank is half full (if applicable), with all liquid systems at rated capacity.