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

GB/T 8590-2018

Replacing GB/T 8590-2001

**Earth-moving machinery -- Dozers -- Terminology and
commercial specifications**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 8590-2001 "Bulldozer Terminology". This standard is compared with GB/T 8590-2001 except for editorial modifications.

The main technical changes are as follows.

--- Revised the standard name and changed to "earth machinery bulldozer terminology and commercial specifications";

--- Revised the normative reference document (see Chapter 2, Chapter 2 of the.2001 edition);

--- Added the terms and definitions of "reference ground plane", "bridge load" and "maximum bridge load" (see 3.1.10, 3.2.2.3, 3.2.2.4);

--- Removed "driver room, hangar, ROPS and/or FOPS quality" (see 3.2.4 of the.2001 edition);

--- Removed "size terminology" (see 3.4 of the.2001 edition);

--- Amend Appendix A "Standard Appendices" to "normative appendix" and supplement its contents (see Appendix A);

--- Removed the Chinese index and the English index (see the Chinese version of the.2001 version, the English index).

This standard uses the translation method equivalent to ISO 6747.2013 "Turkish machinery bulldozer terminology and commercial specifications."

The documents of our country that have a consistent correspondence with the international documents referenced in this standard are as follows.

--- GB/T 8592-2001 Earth-moving machinery - Determination of the steering dimensions of machines (ISO 7457..1997, IDT);

---GB/T 10913-2005 Earth moving machinery speed measurement (ISO 6014. 1986, MOD);

---GB/T 14781-2014 Earthmoving machinery tire type machine steering requirements (ISO 5010.2007, IDT);

---GB/T 16936-2015 earthmoving machinery engine net power test specification (ISO 9249.2007, IDT);

--- GB/T 18577.1-2008 Definition of dimensions and symbols for earth-moving machinery - Part 1. Hosts (ISO 6746-1.2003, IDT);

--- GB/T 18577.2-2008 Definition of dimensions and symbols for earth-moving machinery - Part 2. Working devices and accessories (ISO 6746-2.2003, IDT).

This standard was proposed by the China Machinery Industry Federation.

This standard is under the jurisdiction of the National Earthmoving Machinery Standardization Technical Committee (SAC/TC334).

This standard was drafted. Shantui Construction Machinery Co., Ltd., Tianjin Engineering Machinery Research Institute.

1 Scope

This standard specifies the terminology and commercial specifications for self-tracking or tire dozers and their working equipment.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 21404-2008 General requirements for the determination and measurement methods of engine power (ISO 15550.2002, IDT)

ISO 5010 earthmoving machinery tire type machine steering requirements (Earth-movingmachinery-Rubber-tyredma-chines-Steeringrequirements)

ISO 6014 Earth-moving machinery-Determination of groundspeed

ISO 6746-1 Definition of dimensions and symbols for earth-moving machines - Part 1.
Hosts (Earth-moving machinery-Definition of dimensions and codes-Part 1. Base machine)

ISO 6746-2 - Determination of dimensions and symbols for earth-moving machines - Part
2. Working devices and accessories (Earth-moving machinery-Definition of dimensions and codes-Part 2. Equipment and attachments)

ISO 7457 Earthmoving machinery - Determination of the steering dimensions of the
wheeled machine (Earth-moving machinery-Determination of Turning dimensions of wheeled machines)

ISO 9249.2007 Earthmoving machinery test specification net power
(Earth-moving machinery-Engine test code-Net power)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 General terms

3.1.1

Bulldozer dozer

Self-propelled track-type or tire-type machinery, the working device can be equipped with a bulldozer, and the earthmoving, shifting and moving by the forward movement of the machine

The leveling material can also be fitted with attachments for generating thrust or traction.

[GB/T 8498-2017, definition 4.1]

Note. See Figure 10 and Figure 11.

3.1.2

Host base machine

Machines without working or attachments, but including the necessary connections to install the work and attachments, if required

With driver's cab, hangar and driver protection structure.

[GB/T 18577.1-2008, definition 3.3]

3.1.3

Working device equipment

A set of components mounted on the mainframe to enable the accessory to perform the basic design functions of the machine.

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