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

GB/T 7920.8-2018

Replacing GB/T 7920.8-2003

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

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Foreword

GB/T 7920 is divided into the following sections.

- Part 4. Terminology of concrete machinery;
- Part 5. Earth-moving machinery roller and backfill compactor terminology and commercial specifications;
- Part 6. Terminology and commercial specifications for construction machinery and equipment piling equipment;
- Part 8. Earth-moving machinery scraper terminology and commercial specifications;
- Part 9. Earth-moving machinery grader terminology and commercial specifications;
- Part 10. Road construction and maintenance equipment Stabilized soil mixer terminology and commercial specifications;
- Part 11. Road construction and maintenance equipment asphalt mixture mixing equipment terms and commercial specifications;
- Part 12. Road construction and maintenance machinery and equipment asphalt concrete paver terminology and commercial specifications;
- Part 13. Terminology of concrete paving machinery and equipment;
- Part 14. Road construction and maintenance equipment asphalt spreader/sprayer terminology and commercial specifications;
- Part 15. Terminology for the storage, melting and heating of bitumen;
- Part 16. Road construction and maintenance equipment stone spreader terminology and commercial specifications;
- Part 17. Rebar processing machinery terminology.

This part is the eighth part of GB/T 7920.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part replaces GB/T 7920.8-2003 "Turkish mechanical scraper terminology and commercial specifications". This standard and GB/T 7920.8-

Compared with.2003, the main technical changes except editorial changes are as follows.

- Revised the normative reference document (see Chapter 2, Chapter 2 of the.2003 edition);
 - Revised the terms and definitions of scraper and net power (see 3.1.1 and 3.4.1,.2003 version 3.1.1 and 3.4.1);
 - Added terms and definitions for towed scrapers (see 3.1.2);
 - Increased the classification of the drive system (see 4.1.5);
 - Revised the size and part name provisions (see 4.2 and 4.3,.2003 editions 4.2 and 4.3);
 - Added provisions for drag loader brakes, towed scraper connection vertical load and tractor power (see 5.5.6, 5.13)
- And 5.14);
- Added normative appendix (see Appendix A);
 - Removed the Chinese index and the English index (see the.2003 version of the Chinese index, English index).

This section uses the translation method equivalent to ISO 7133.2013 "Turkish mechanical scraper terminology and commercial specifications."

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

- GB/T 8592-2001 Determination of the steering dimensions of earth-moving machinery - Tire machines (eqv ISO 7457.1997);
- 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);

---GB/T 25690-2010 Earthmoving machinery lift scraper capacity calibration (ISO 6484.1986, IDT);

---GB/T 25691-2010 Earth-moving machinery open bucket scraper capacity calibration (ISO 6485. 1980, IDT).

This part was proposed by the China Machinery Industry Federation.

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

This section drafted by. Saikesi Hydraulic Technology Co., Ltd., Tianjin Engineering Machinery Research Institute Co., Ltd.

1 Scope

This standard specifies the technical content of the terms and commercial documents of the scraper (including the towed scraper) and its devices.

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.

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

ISO 6484 Earthmoving Machinery Lift Scraper Capacity Calibration
(Earth-movingmachinery-Elevatingscrapers-
Volumetricratings)

ISO 6485 earthmoving machine open bucket scraper capacity calibration
(Earth-movingmachinery-Tractor-scraper-
Volumetricratings)

ISO 6746-1 Definition of dimensions and symbols for earth-moving machines - Part 1.
Hosts (Earth-movingmachinery-Defini-
tionsofdimensionsandcodes-Part 1.Basemachine)

ISO 6746-2 - Determination of dimensions and symbols for earth-moving machines - Part

2. Working devices and accessories (Earth-moving ma-

chinery-Definitionsofdimensionsandcodes-Part 2.Equipmentandattachments)

ISO 7457 Earthmoving machinery - Determination of the steering dimensions of the wheeled machine (Earth-movingmachinery-Determinationof

Turningdimensionsofwheeledmachines)

ISO 9249 earthmoving machine engine net power test specification
(Earth-movingmachinery-Enginetestcode-Net

Power)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 General terms

3.1.1

Scraper scraper

Self-propelled or towed crawler or wheeled machinery with a cutting edge with a cutting edge between the two bridges

Cut, load, transport, unload and spread materials.

Note. Loading material by forward movement can also be done by means of a power mechanism (lifting device) fixed to the bucket.

[GB/T 8498-2017, definition 4.7]

3.1.2

Towed scraper towedscraper

The non-self-propelled scraper is towed by a tractor equipped to operate it.

[GB/T 8498-2017, definition 4.7.1]