

ICS 91.220; 01.040.91
CCS P 97



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

GB/T 7920.10-2019

**Road construction and maintenance equipment - Soil
stabilizers - Terminology and commercial specifications**

Issued on: December 10, 2019

Implemented on: November 1, 2020

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Foreword

1 Scope

2 Normative references

3 terms and definitions

Foreword

GB/T 7920 is divided into the following parts.

- GB/T 7920.4 concrete machinery terms;
- GB/T 7920.5 earthmoving machinery rollers and backfill compactors terms and commercial specifications;
- GB/T 7920.6 Terms and commercial specifications for piling equipment for construction machinery and equipment;
- GB/T 7920.8 Earthmoving machinery scraper terms and commercial specifications;
- GB/T 7920.9 Earth moving machinery grader terms and commercial specifications;
- GB/T 7920.10 Terms and commercial specifications for road construction and maintenance equipment stabilized soil mixers;
- GB/T 7920.11 Road construction and maintenance equipment Asphalt mixture mixing equipment terminology and commercial specifications;
- GB/T 7920.12 Terms and commercial specifications for asphalt concrete pavers for road construction and maintenance machinery and equipment;
- GB/T 7920.13 terms for concrete pavement machinery and equipment;
- GB/T 7920.14 Terms and commercial specifications for asphalt construction vehicles/sprayers for road construction and maintenance equipment;
- GB/T 7920.15 Asphalt storage, melting and heating equipment term;
- GB/T 7920.16 Road construction and maintenance equipment Stone chip spreader terminology and commercial specifications;
- GB/T 7920.17 Rebar processing machinery terminology.

This section is Part 10 of GB/T 7920.

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

This section replaces GB/T 7920.10-2006 "Terms and Commercial Specifications for Road Construction and Maintenance Equipment Stabilizing Soil Mixers".

Compared with GB/T 7920.10-2006, the main changes in this section are as follows.

--- Increased the scope of application "not applicable to agricultural stable soil mixers" (see Chapter 1);

--- Deleted the "ISO 13539 earthmoving machinery trencher terminology and commercial specifications" in the normative references (see the.2006 edition

chapter 2);

--- In terms and definitions, "adjustable mixer shell" was changed to "adjustable mixing chamber", and "fixed mixer shell" was changed to "fixed

Mixing chambers "(see 3.4 and 3.5, 3.4 and 3.5 of the.2006 edition);

--- In the type, "mixed type" was changed to "mixed type", and "ploughing type" was deleted (see 4.1, 4.1 of the.2006 version);

--- Deleted the "working device adopts the form of ploughing device" in the type and arrangement of working devices (see 4.2,.2006 version

4.2);

--- The driving principle of the working device was changed to "the movement of the mixing device is realized by a mechanical or hydraulic drive system" (see 4.3,.2006

Annual version 4.3);

--- Added "General Information", incorporated "Transportation Dimensions" into "General Information", and increased "Transport Quality" (see 5.2,.2006 edition

5.2);

--- "Gap" changed to "Ground clearance" (see 5.3.2, 5.2.3 of the.2006 edition);

--- "Turning diameter and turning radius" was changed to "turning radius", and the "inside turning radius of the working device and the

Outer turning radius "(see 5.3.4, 5.2.5 of the.2006 edition);

--- In the column item in "Characteristic Angle", the "lateral tilt angle/lateral angle of the rotor working room" has been added (see 5.3.6);

--- Increased steering characteristics of the articulated chassis (see 5.9);

--- Removed "Sleeve coupling blade cutter" (see 5.9.1.1 of.2006 edition);

--- Removed the "casing connection sheet" (see 5.9.1.2 of the.2006 version);

--- Deleted the "Ploughing Device" (see 5.9.2.5 of the.2006 version);

--- Add "a" to the "flow adjustment method" column to automatically adjust the flow using this machine's working speed servo control system (this mode

Whether it applies to the forward and backward movement of the machine, or the situation of forward or backward movement) ";

Is "automatic on/off control by machine working speed" (see 5.11.1.3, 2006 version 5.10.1.3);

--- Change the "load control system for knives" to "load control system for mixing devices (knives)";

Gradually reduce "to" stepless deceleration of travel speed "; to adjust rotor speed by automatic control "

"Automatic speed control and adjustment"; added "hydraulic overload detection and protection device" (see 5.11.4, 2006 version 5.10.4).

This section uses the translation method equivalent to ISO 15688..2012 "Road Construction and Maintenance Equipment Stabilizing Soil Mixer Terminology and Commercial specification".

The Chinese documents that have a consistent correspondence with the international documents referenced normatively in this section are as follows.

--- GB/T 2933-2009 Terminology, specifications and signs of wheels and rims for pneumatic tires (ISO 3911..2004, IDT)

--- GB/T 7920.9-2003 Terms and commercial specifications for earthmoving graders (ISO 7134..1993, MOD)

--- GB/T 18577.1-2008 Definition of dimensions and symbols for earth-moving machinery Part 1. Host (ISO 6746-1..2003, IDT)

--- GB/T 18577.2-2008 Definition of dimensions and symbols for earth-moving machinery-Part 2. Working devices and auxiliary devices (ISO 6746-2..2003, IDT)

For ease of use, the following editorial changes have been made in this section.

--- The load unit is "kN" instead of "daN".

This section is proposed by China Machinery Industry Federation.

This section is under the jurisdiction of the National Construction and Construction Machinery and Equipment Standardization Technical Committee (SAC/TC328).

This section was drafted by. Jiangsu Xugong Engineering Machinery Research Institute Co., Ltd., Beijing Construction Mechanization Research Institute Co., Ltd., Beijing Jianyan Machinery Technology Co., Ltd., Hunan Lianzhi Bridge Tunnel Technology Co., Ltd., Changsha Highway Bridge Construction Co., Ltd., China Construction Education association.

1 Scope

This part of GB/T 7920 specifies the terms and definitions, types and structures, and commercial specifications of stabilized soil mixers and components.

This section applies to stable soil mixers for road construction and laying, and is not applicable to agricultural stable soil mixers.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article

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

ISO 3911 Wheels and Rims for Pneumatic Tires Terms, Specification Codes and Symbols (Wheelsandrimsforpneumatic

tyres-Vocabulary, designation and marking)

ISO 6746-1 Definition of earthmoving machinery dimensions and symbols-Part 1.

Mainframe (Earth-movingmachinery-Defini-

tionscodes-Part 1. Basemachine)

ISO 6746-2 Definition of dimensions and symbols for earthmoving machinery-Part 2.

Working equipment and attachments (Earth-movingma-

chinery-Definitions-codes-Part 2. Equipmentandattachments)

ISO 7134 Earthmoving Machinery Grader Terminology and Commercial Specifications

(Earth-movingmachinery-Graders-Terminology

andcommercialspecifications)

3 terms and definitions

The following terms and definitions apply to this document.

3.1