

ICS 65.060.01
CCS B 90



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

GB/T 17126.1-2009

Replacing GB/T 17126-1997

**Agricultural tractors and machinery -- Power take-off drive
shafts and power input connection -- Part 1: General
manufacturing and safety requirements**

农业拖拉机和机械 动力输出万向节传动轴和动力输入连接装置 第1部分：通用制
造和安全要求

(English Translation)

Issued on: November 30, 2009

Implemented on: April 1, 2010

Issued by: Standardization Administration of China

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

Foreword

GB/T 17126 "Agricultural tractors and machinery - Power shafts and power - input connection" is divided into.

- Part 1. General manufacturing and safety requirements;
- Part 2. PTO shaft using a standard, all types of coupling device output power train and power input connection Device location and clearance range.

This section is GB/T Part of 117,126.

This section identical with ISO 5673-1:2005 "Agricultural tractors and machinery PTO shaft and power input connection means Set Part 1. General manufacturing and safety requirements "(in English).

This section is equivalent translation ISO 5673-1:2005.

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

- "This International Standard" be replaced by "this section";
- Remove ISO 5673-1:2005 Foreword;
- ISO 5673-1:2005 and other international standards referenced with have been adopted in place for our standards.

This section is amended to GB/T 17126-1997, the main technical content changes are as follows.

- According to the new international standard will be divided into two parts;
- Added "two PTO shaft", "two power input connection means" terms and definitions;
- Increasing manufacturing and safety requirements;
- Increased use of information requirements.

Date of implementation of this section instead of GB/T 17126-1997 part of.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee on Agriculture machinery centralized.

This section drafted by. Chinese Academy of Agricultural Mechanization Sciences, Luoyang Tractor Research Institute, the National Quality Supervision and Inspection Center of farm machinery.

1 Scope

GB/T 17126 provisions of this part of the tractor or self-propelled agricultural machinery PTO shaft and power transmission equipment the connecting device.

This section establishes the given manufacturing and safety requirements, the determination of power output shafts static and dynamic torsional strength.

This section applies only to PTO shaft and the bearing and the shaft by at least two mechanical connection shield.

This section does not apply to power for protection by setting the position of the output shafts, does not apply to the restriction device and turn retrograde Torque limiter mechanical properties evaluation.

This section does not consider environmental factors.

2 Normative references

The following documents contain provisions which, through reference GB/T 17126 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 1592.1 agricultural tractor rear PTO 1, 2 and 3 - Part 1. General requirements, safety requirements, protective cover Dimensions and clearance zone (GB/T 1592.1-2008, ISO 500-1:2004, IDT) GB/T 1592.3 agricultural tractor rear PTO shaft 1,2 and 3 - Part 3. PTO dimensions and spline dimensions, PTO shaft position (GB/T 1592.3-2008, ISO 500-3:2004, IDT) GB/T 5263 Tractors and machinery for agriculture and forestry PTO shaft guard Strength and wear tests and acceptance (GB/T 5263-2009, ISO 5674:2004, IDT) GB 10395.1 agriculture and forestry machinery - Safety - Part 1. General (GB 10395.1-2009, ISO 4254-1:2008, MOD) GB 10396 agricultural and forestry tractors and machinery, lawn and garden equipment - Safety signs and hazard pictorials - General principles (GB 10396-2006, ISO 11684:1995, MOD)

3 Terms and Definitions

The following terms and definitions apply to this section.

By the two universal joints, and a telescoping tube assembly by at least two bearings and shaft mechanically connected shield consisting of assembly, which for inter-tractor or self-propelled mechanical power transmission output shaft rotational power to the equipment and/or machinery parts.

3.1.1

Connecting a tractor or self-propelled machinery and equipment PTO power input connecting means may be off-type PTO Drive axis. See Figure 1.

GB/T 17126.1-2009/ISO 5673-1:2005