

ICS 65.060.10
CCS B 90



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

GB/T 17127.3-2025

Replacing GB/T 17127.3-1998

**Agricultural wheeled tractors and implements - Three-point
hitch couplers - Part 3: Link coupler**

农业轮式拖拉机和机具 三点悬挂连接器 第3部分：连杆式连接器

(English Translation)

Issued on: October 31, 2025

Implemented on: February 1, 2026

Issued by: State Administration for Market Regulation

Table of Contents

- Foreword
- Introduction
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Linkage type connector
 - 4.1 Principle of Link-Type Connector

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 is Part 3 of GB/T 17127 "Three-point suspension couplings for agricultural wheeled tractors and implements". GB/T 17127 has been...

The following sections have been published.

- Part 1: U-shaped frame hanger;
- Part 2: Type A Frame-Type Hanger;
- Part 3: Linkage-type connectors;
- Part 4: Rod-type hangers.

This document replaces GB/T 17127.3-1998 "Three-point suspension couplings for agricultural wheeled tractors and implements - Part 3: Linkage type".

Compared with GB/T 17127.3-1998, the main technical changes in the "Hanger" standard, apart from structural adjustments and editorial modifications, are as follows.

- a) The scope of application has been changed (see Chapter 1, Chapter 1 of the 1998 edition);
- b) The principle of the linkage connector has been modified (see 4.1, Chapter 3 of the 1998 edition);
- c) The requirements for size and clearance ranges have been changed (see Chapter 5, Chapter 4 of the 1998 edition).

This document is equivalent to ISO 11001-3:2009 "Agricultural wheeled tractors and implements - Three-point suspension couplings - Part 3: Linkage couplings".

"Hanger".

This document includes a new chapter on "Terms and Definitions".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Standardization of Agricultural Machinery (SAC/TC201).

Introduction

GB/T 17127 aims to establish the basic dimensions and connection methods of three-point suspension couplings for agricultural tractors and implements, consisting of four parts.

constitute.

---Part 1: U-shaped frame hanger. The purpose is to improve the compatibility of U-shaped frame hangers with three-point suspension machines and specific machines.

Connection compatibility with a three-point suspension system.

---Part 2: Type A Frame Hanger. The purpose is to improve the compatibility of Type A frame hangers with three-point suspension fixtures and specific machines.

Connection compatibility with a three-point suspension system.

---Part 3: Linkage-type couplings. The purpose is to improve the compatibility of linkage-type couplings with three-point suspension implements and specific implements.

The compatibility of the connection of the hanging device.

---Part 4: Pole-type Connectors. The purpose is to improve the compatibility of pole-type connectors with three-point suspension implements and specific three-point suspension systems.

The matching of the settings.

Three-point suspension coupling for agricultural wheeled tractors and implements Part 3: Link-type connectors

1 Scope

This document specifies three-point suspension implements and implements with three-point suspension devices and linkages conforming to ISO 730 or ISO 8759-1.

The basic dimensions of the coupling for agricultural wheeled tractors.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

ISO 730 Rear-mounted three-point suspension for agricultural wheeled tractors, categories 1N, 1, 2N, 2, 3N, 3, 4N and 4 (Agricultural) Note. GB/T 1593-2015 Rear-mounted three-point suspension systems for agricultural wheeled tractors, categories 0, 1N, 1, 2N, 2, 3N, 3, 4N and 4 (ISO 730:2009).

MOD)

ISO 2332 Agricultural tractors and machinery - Three-point suspension system for implements - Clearance range around the implement (Agricultural) implement) Note. GB/T 20343-2016 Clearance range around the implement for three-point suspension connection devices of agricultural tractors and machinery (ISO 2332:2009) IDT) ISO 8759-1 Agricultural Tractor Front-Mount Equipment - Part 1: Power Take-Off. Safety Requirements and Clearance Ranges Around the Power Take-Off Shaft Note. GB/T 10916.1-2025 Agricultural Tractor Front Drive Units - Part 1: Safety Requirements and Clearance Range for Power Take-Off Shafts (ISO 8759-1) 2018, IDT)

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4.1 Principle of Link-Type Connector

The three-point suspension connector system is a specialized method for connecting machinery. The suspension connector is an additional device located between the three-point suspension system and the machinery.

The device allows the tractor driver to connect and disconnect the implement from the tractor while seated.

A linkage-type attachment is a two-way implement attachment. The tractor's three-point suspension system is equipped with a structure (such as a hook) that can connect implements.

The implement has one ball joint on its upper attachment point and two ball joints on its lower attachment point. The tractor driver can control the implement and trailer from his

seat.

The tractor is used for connection and separation.