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

GB/T 32538.3-2020

**Agricultural vehicles. Mechanical connection devices for towed
vehicles - Part 3: Rotary hitch ring**

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Foreword

GB/T 32538 "Mechanical Connection Device of Agricultural Vehicles Towed Vehicles" is divided into the following parts.

---Part 1.50mm/30mm cross-section of the hook ring size;

---Part 2.40 connecting ring with seat hole;

---Part 3.Rotating hook ring.

This part is Part 3 of GB/T 32538.

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

This part uses the translation method to be equivalent to ISO 5692-3.2011 "Agricultural vehicle towed vehicle mechanical connection device Part 3

Minutes. Rotating Mounting Ring.

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

---GB/T 19408.6-2020 Mechanical connection of agricultural vehicle trailers and tractors-Part 6.Non-swing U-shaped hook

Connection (ISO 6489-5.2019, MOD)

This part was proposed by China Machinery Industry Federation.

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

Drafting organizations of this section. Ningbo Daye Power Machinery Co., Ltd., Chinese Academy of Agricultural Mechanization Sciences, Luoyang Tractor Research Institute Co., Ltd., Ningbo Beilong Precision Molding Co., Ltd., National Agricultural Machinery

Quality Supervision and Inspection Center, Zhejiang Agricultural Machinery Industry Association, Shanxi

East General Hydraulic Machinery Co., Ltd.

1 Scope

This part of GB/T 32538 specifies that self-propelled agricultural vehicles and agricultural Requirements for coupling rings used to connect trailers and implements.

2 Normative references

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

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

ISO 6489-5:2011 Mechanical connection of agricultural vehicle trailers and tractors-Part 5.Connection of non-swing U-hooks

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

D value

The horizontal component of force acting on the connecting device on the longitudinal axis of the machine.

The value of the load acting on the trailer along the longitudinal axis of the vehicle.

Note. The unit is kilonewton (kN).

3.2

Vertical load on the connection point

Under static conditions, the transmitted load acting on the reference center of the mechanical connection device.

Note. The unit is kilogram (kg).

4.1 General requirements

The structural dimensions of the attachment ring should meet the requirements of Figure 1, Figure 2 and Table 1.

The allowable load is shown in Table 1.

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