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**Agricultural vehicles — Mechanical  
connections between towed and towing  
vehicles —**

**Part 3:  
Tractor drawbar**

*Véhicules agricoles — Liaisons mécaniques entre véhicules  
remorqueurs et véhicules remorqués —*

*Partie 3: Barre d'attelage du tracteur*



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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6489-3 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 4, *Tractors*.

This second edition cancels and replaces the first edition (ISO 6489-3:1992), which has been technically revised.

ISO 6489 consists of the following parts, under the general title *Agricultural vehicles — Mechanical connections between towed and towing vehicles*:

- Part 1: *Dimensions of hitch-hooks*
- Part 2: *Specifications for clevis coupling 40*
- Part 3: *Tractor drawbar*
- Part 4: *Dimensions of piton-type coupling*

# Agricultural vehicles — Mechanical connections between towed and towing vehicles —

## Part 3: Tractor drawbar

### 1 Scope

This part of ISO 6489 specifies the dimensional requirements and location for category 0, 1, 2, 3, 4 and 5 drawbars mounted on the rear of agricultural tractors.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 500-1, *Agricultural tractors — Rear-mounted power take-off types 1, 2 and 3 — Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone*

ISO 789-1, *Agricultural tractors — Test procedures — Part 1: Power tests for power take-off*

ISO 5673-2, *Agricultural tractors and machinery — Power take-off drive shafts and power-input connection — Part 2: Specification for use of PTO drive shafts, and position and clearance of PTO drive line and PIC for different attachments*<sup>1)</sup>

ISO 14396, *Reciprocating internal combustion engines — Determination and method for the measurement of engine power — Additional requirements for exhaust emission tests in accordance with ISO 8178*

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

#### 3.1

##### **tractor drawbar**

##### **drawbar**

mechanical connection mounted on the rear of an agricultural tractor for the mechanical coupling of an implement

NOTE A tractor drawbar can be regular non-adjustable or adjustable.

#### 3.1.1

##### **regular non-adjustable drawbar**

fixed drawbar with no possibility for adjustment

#### 3.1.2

##### **adjustable drawbar**

adjustable, multiple operating position drawbar providing the regular, short and extended drawbar positions

1) Under preparation.