
Agricultural tractors — Front-mounted equipment —

**Part 3:
Power take-off: General specifications
and location**

iTeh STANDARD PREVIEW
*Tracteurs agricoles — Équipement monté à l'avant —
Partie 3: Prise de force: Spécifications générales et emplacement*
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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

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

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

This first edition of ISO 8759-3, together with the third edition of ISO 8759-1 and the first edition of ISO 8759-4, cancels and replaces ISO 8759-1:1998, which has been technically revised.

A list of all parts in the ISO 8759 series can be found on the ISO website.

Agricultural tractors — Front-mounted equipment —

Part 3:

Power take-off: General specifications and location

1 Scope

This document gives general specification and location requirements for front-mounted power take-offs (PTO) on agricultural tractors.

NOTE 1 Further specifications for front-mounted power take-offs are given in ISO 8759-1.

It is not applicable to tractors which are designed to run in two directions, where either end can be considered to be the front or the rear.

NOTE 2 In this case, ISO 500 (all parts) apply.

2 Normative reference(s)

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 500-1:2014, *Agricultural tractors — Rear-mounted power take-off types 1, 2, 3 and 4 — Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone*

ISO 500-3:2014, *Agricultural tractors — Rear-mounted power take-off types 1, 2, 3 and 4 — Part 3: Main PTO dimensions and spline dimensions, location of PTO*

ISO 8759-1, *Agricultural tractors — Front-mounted equipment — Part 1: Power take-off: Safety requirements and clearance zone*

3 Terms and definitions

For the purpose of this document, the terms and definitions given in ISO 8759-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 General specifications

4.1 PTO type, rotational frequency

The power take-off (PTO) type and rotational frequency shall conform to type 1, 2, 3 or 4 as described in ISO 500-1:2014, Clause 4.

4.2 Direction of rotation

The direction of PTO rotation shall be anti-clockwise when viewed from the front of the tractor.

The direction of rotation and rotation frequency shall be marked by an arrow and rotational speed.

5 PTO location

The location of the PTO on the tractor shall be in accordance with ISO 500-3:2014, Clause 3.

Dimensions apply to the tractor equipped with the normal range of tyre sizes as recommended by the tractor manufacturer. On tractors with front axle suspension the dimensions of ISO 500-3:2014, Figure 1 apply with suspension in the working position, as determined by the manufacturer.

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Bibliography

- [1] ISO 500-2, *Agricultural tractors — Rear-mounted power take-off types 1, 2, 3 and 4 — Part 2: Narrow-track tractors, dimensions for master shield and clearance zone*
- [2] 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 various attachments*

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