

INTERNATIONAL
STANDARD

ISO
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Agricultural field cultivators —
Part 1:
Specification system

Cultivateurs agricoles —
Partie 1: Système de spécification

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Reference number
ISO 9676-1:1993(E)

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.

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.

International Standard ISO 9676-1 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 5, *Equipment for working the soil*.

ISO 9676 consists of the following parts, under the general title *Agricultural field cultivators*:

- Part 1: *Specification system*
- Part 2: *Field testing*

Agricultural field cultivators —

Part 1: Specification system

1 Scope

This part of ISO 9676 lays down the specification system for agricultural field cultivators. It applies to mounted, semi-mounted and trailed agricultural field cultivators in class 03 of ISO 3339-0:1986.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 9676. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this

part of ISO 9676 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3339-0:1986, *Tractors and machinery for agriculture and forestry — Classification and terminology — Part 0: Classification system and classification.*

3 Cultivator specification

The specification of an agricultural field cultivator shall include the details given on the following pages.

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1	Type of hitch
1.1	mounted by three-point linkage: specify category. To indicate its suitability for automatic hitching, specify "for automatic hitching"
1.2	semi-mounted: specify category
1.3	trailed
1.4	front-mounted
2	Minimum and maximum working speeds
3	Working width
4	Working depth range
5	Required power range
6	Overall dimensions of implement
6.1	in working position:
6.1.1	length
6.1.2	width
6.1.3	height
6.2	in transport position:
6.2.1	length
6.2.2	width
6.2.3	height
6.3	in storage position:
6.3.1	length
6.3.2	width
6.3.3	height
7	Ground clearance in transport position
8	Mass
9	Wheels
9.1	Type of wheels
9.2	Number of wheels
9.3	Track width of the trailing wheels
9.4	Track width of the side wheels
9.5	Tyre dimensions
9.6	Coefficient of static load on tyres
10	Frame
10.1	Frame type
10.2	Profile of material used
10.3	Number of sections
10.3.1	width of the central section
10.3.2	widths of the side sections
10.4	Height of frame clearance
11	Working elements
11.1	Total number in cultivator
11.1.1	in central section
11.1.2	in side section on one side
11.2	Shape of shank of working element
11.3	Shank dimensions
11.4	Type of working element
11.5	Distance between the working elements in one row
11.6	Distance between the rows of the working elements
11.7	Adjustment limits of the working elements in:
11.7.1	depth
11.7.2	width
11.7.3	soil penetration angle

12	Hydraulic cylinders
12.1	Number of hydraulic cylinders
12.2	Type of hydraulic cylinders
12.3	Number and type of hydraulic couplings
12.4	Minimum required working pressure in hydraulic system
12.5	Total amount of oil required
13	Lubrication
13.1	Number of lubrication points
13.2	Regularity of lubrication:
13.2.1	daily
13.2.2	regularly
13.2.3	seasonally

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