SLOVENSKI STANDARD
SIST ISO 789-3:2016

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Nadomešča:
SIST ISO 789-3:1997

Kmetijski traktorji - Preskusne metode - 3. del: Premer obračalnega kroga in kroga, ki ga opiše skrajna zunanja točka traktorja

Agricultural tractors - Test procedures - Part 3: Turning and clearance diameters

Tracteurs agricoles - Méthodes d'essai - Partie 3: Diamètres de braquage et de dégagement

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ICS:

65.060.10	Kmetijski traktorji in prikolice	Agricultural tractors and trailed vehicles

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INTERNATIONAL STANDARD

ISO 789-3

Third edition
2015-09-01

Agricultural tractors — Test procedures —

Part 3: Turning and clearance diameters

Tracteurs agricoles — Méthodes d'essai —

Partie 3: Diamètres de braquage et de dégagement

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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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee 2, *Common tests*.

This third edition cancels and replaces the second edition (ISO 789-3:1993), which has been technically revised.

ISO 789 consists of the following parts, under the general title *Agricultural tractors — Test procedures*:

— *Part 1: Power tests for power take-off*

— *Part 2: Rear three-point linkage lifting capacity*

— *Part 3: Turning and clearance diameters*

— *Part 4: Measurement of exhaust smoke*

— *Part 5: Partial power PTO – Non-mechanically transmitted power*

— *Part 6: Centre of gravity*

— *Part 7: Axle power determination*

— *Part 8: Engine air cleaner*

— *Part 9: Power tests for drawbar*

— *Part 11: Steering capability of wheeled tractors*

— *Part 12: Low temperature starting*

ISO/OECD 789 consists of the following parts, under the general title *Agricultural tractors – Test procedures*:

— *Part 10: Hydraulic power at tractor/implement interface*

Agricultural tractors — Test procedures —

Part 3: Turning and clearance diameters

1 Scope

This part of ISO 789 specifies a method of determining the turning and clearance diameters of wheeled agricultural tractors.

It applies to wheeled agricultural tractors having at least two axles fitted with pneumatic tyres.

2 Terms and definitions

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

2.1
agricultural tractor
self-propelled agricultural vehicle having at least two axles and wheels or endless tracks, particularly designed to pull agricultural trailers and to pull, push, carry and operate implements used for agricultural work (including forestry work), which may be provided with detachable loading platform

Note 1 to entry: The agricultural vehicle has a maximum design speed of not less than 6 km/h and may be equipped with one or more seats.

[SOURCE: ISO 12934:2013, 3.1]

2.2
track
tread
<wheeled tractor> distance at ground level between two vertical planes passing through the centreline of ground contact of the tires parallel to the median plane of the tractor with the wheels in the straight ahead position

Note 1 to entry: In the case of dual wheels, it is the distance at ground level between two planes passing through the centreline of the dual wheels.

Note 2 to entry: See Figure 1.

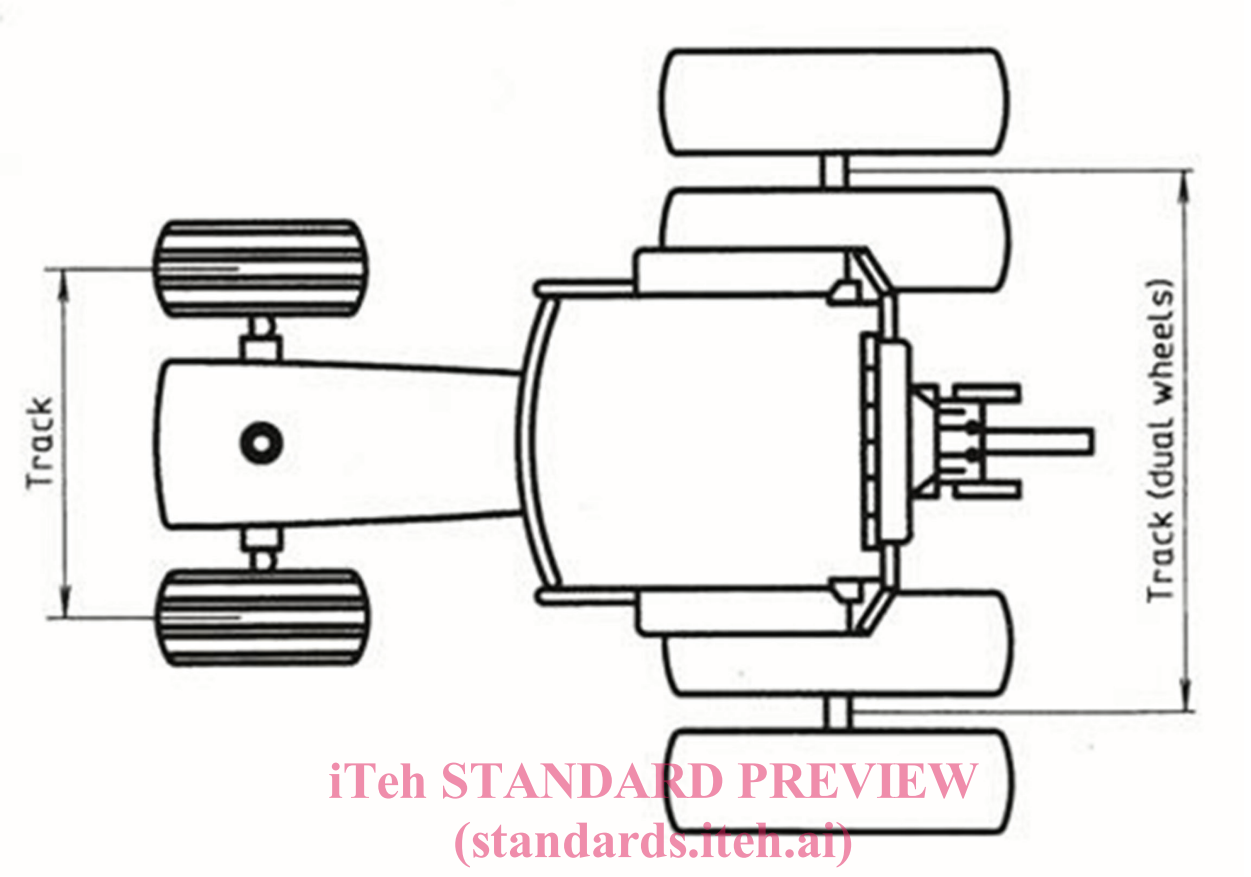

Figure 1 — Track (tread) of the wheeled tractor

2.3
wheelbase
horizontal distance between the two vertical planes passing through the rotational centrelines of the wheels, where one plane is for the front wheels and the other for the rear wheels

Note 1 to entry: In the case of a tractor equipped with a rear tandem, it is the distance between two vertical planes passing through the centres of the front wheel and the vertical plane midway between the wheel centres of the two axles of the tandem.

Note 2 to entry: See Figure 2.

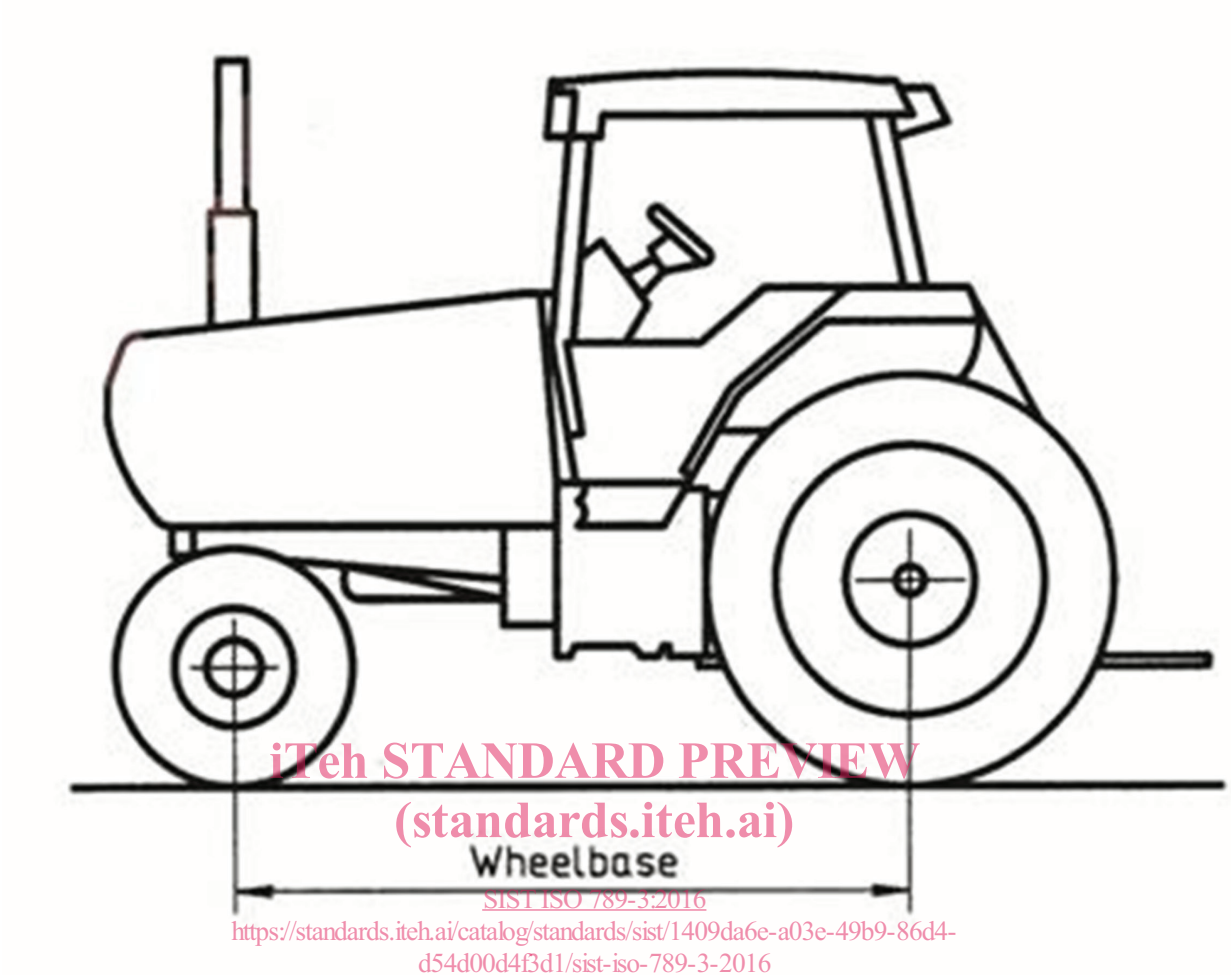

Figure 2 — Wheelbase of the wheeled tractor

2.4
turning diameter
diameter of the circular path described by the centre of tire contact with the surface of the test site of the wheel describing the largest circle when the tractor is executing its sharpest practicable turn under the test conditions described in Clause 5

Note 1 to entry: See Figure 3.

2.5
clearance diameter
diameter of the smallest circle which will enclose the outermost points of projection of the tractor and its equipment while executing its sharpest practicable turn

Note 1 to entry: See Figure 3.