

# INTERNATIONAL STANDARD

**ISO**  
**789-3**

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## **Agricultural tractors — Test procedures —** **Part 3:** Turning and clearance diameters

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



Reference number  
ISO 789-3:1993(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 789-3 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Sub-Committee SC 2, *Common tests*.

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*

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- *Part 10: Measurement of hydraulic power — Tractor/implement interface*
- *Part 11: Steering capability — Wheeled tractors*

Annex A forms an integral part of this part of ISO 789.

# 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 Definitions

For the purposes of this part of ISO 789, the following definitions apply.

**2.1 agricultural tractor:** Self-propelled wheeled machine having at least two axles, particularly designed to pull, push, carry and operate implements used for agricultural work (including forestry work), which may be provided with a detachable loading platform.

**2.2 track (tread) of wheeled tractor:** Distance at ground level between two vertical planes passing through the centreline of ground contact of the tyres parallel to the median plane of the tractor with the wheels in the straight ahead position. (See figure 1.)

In the case of dual wheels it is the distance at ground level between two planes passing through the centreline of the dual wheels.

**2.3 wheelbase:** Distance at ground level between two vertical planes passing through the centres of the front wheels and the rear wheels with tractor and wheels in the same straight ahead position. (See figure 1.)

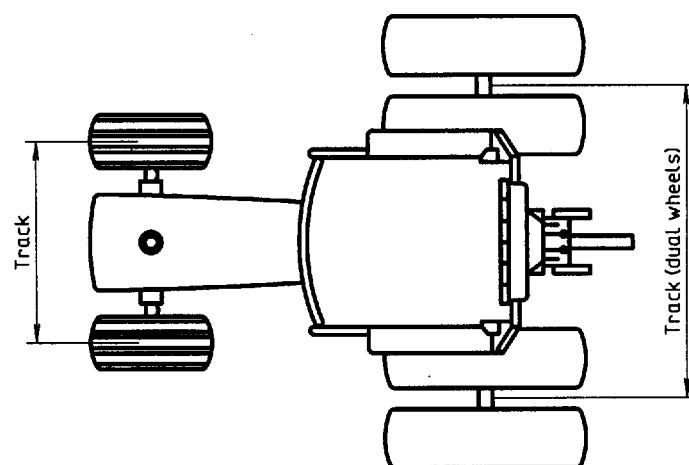
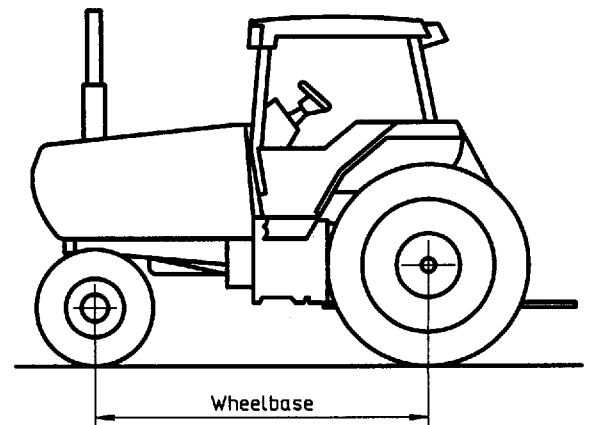


Figure 1 — Track (tread) and wheelbase of wheeled tractor