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# International Standard



# 730/II

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## **Agricultural wheeled tractors — Three-point linkage — Part II : Category 1 N (Narrow hitch)**

*Tracteurs agricoles à roues — Attelage trois points — Partie II : Catégorie 1 N (Attelage étroit)*

**First edition — 1979-05-01**

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 730/II was developed by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, and was circulated to the member bodies in June 1977.

It has been approved by the member bodies of the following countries :

|                |                        |                       |
|----------------|------------------------|-----------------------|
| Australia      | Germany, F. R.         | Romania               |
| Austria        | India                  | South Africa, Rep. of |
| Belgium        | Iran                   | Spain                 |
| Bulgaria       | Italy                  | Sweden                |
| Chile          | Korea, Dem. P. Rep. of | Switzerland           |
| Czechoslovakia | Mexico                 | Turkey                |
| Denmark        | New Zealand            | United Kingdom        |
| Finland        | Poland                 | USSR                  |
| France         | Portugal               | Yugoslavia            |

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Canada  
USA

# Agricultural wheeled tractors — Three-point linkage — Part II : Category 1 N (Narrow hitch)

## 1 SCOPE

This International Standard specifies the requirements for the attachment of implements or equipment to the rear of narrow agricultural wheeled tractors by means of a three-link hitch in association with a power lift.

## 2 FIELD OF APPLICATION

This International Standard applies to narrow agricultural wheeled tractors with a maximum power at the drawbar<sup>1)</sup> up to 35 kW.

## 3 REFERENCES

ISO 789/I, *Agricultural tractors — Test procedures — Part I : Power tests*.<sup>2)</sup>

ISO 730/I, *Agricultural wheeled tractors — Three-point linkage — Part I : Categories 1, 2 and 3*.

## 4 DEFINITIONS

### 4.1 General

See ISO 730/I.

### 4.2 Components of the linkage

See ISO 730/I.

### 4.3 Dimensional characteristics of the linkage

See ISO 730/I, except definition 21; for the purposes of the present document the following definition applies :

**21 mast adjustment<sup>3)</sup>** : The usable range of movement

of the mast in a vertical plane. It is measured as the maximum and minimum heights of the lower hitch points above the ground between which a mast of height 360 mm can be adjusted to any inclination between the vertical and 10° to the vertical towards the rear.

## 5 DIMENSIONS<sup>4)</sup>

### 5.1 Hitch points and zone around the hitch points

The dimensions concerning the hitch points shall be as given in table 2 and those concerning the zone around the hitch points shall be as given in table 1.

### 5.2 Lift, power lift, and levelling adjustments

The ranges of lift, power lift and levelling adjustments shall be as given in table 3.

## 6 POWER LIFT CAPACITY

A minimum lift force of 300 N for each drawbar power unit (kW) shall be available at a distance of 610 mm to the rear of the hitch points.

NOTE — The above mentioned value relates to 90 % of the hydraulic relief valve pressure setting and the recommended mast height.

When determining the lift force, a minimum angle of 10° between the vertical and the mast shall be observed; see figure 1.

1) As given in ISO 789/I.

2) At present at the stage of draft. (Revision of ISO/R 789-1968.)

3) Adjustment of the mast controls the pitch of the implement. Specifying the mast adjustment to be provided enables the tractor designer to determine the minimum acceptable adjustment of the length of the top link in relation to the points of attachment of the linkage; it also permits the implement designer to determine the range of operating depths of the implement over which pitch adjustment can be obtained.

4) Dimensions are based on the assumption that the tractor manufacturer's normal wheel equipment is fitted.