

International Standard



7424

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

Agricultural equipment — Matching of wheeled tractors and rear mounted implements — Code numbering system

Matériel agricole — Assortiment des tracteurs à roues et des instruments portés à l'arrière — Système de numéros code

First edition — 1982-12-01

Withdrawn
1986-03-13

UDC 631.372 : 629.028

Ref. No. ISO 7424-1982 (E)

Descriptors : agricultural machinery, tractors, symbols, codes, numbers, determination.



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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 7424 was developed by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, and was circulated to the member bodies in March 1981.

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

Austria	Iraq	South Africa, Rep. of
Belgium	Italy	Spain
Canada	Korea, Dem. P. Rep. of	Sweden
China	Korea, Rep. of	Switzerland
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The member bodies of the following countries expressed disapproval of the document on technical grounds:

Brazil
Finland
Germany, F.R.

Agricultural equipment — Matching of wheeled tractors and rear mounted implements — Code numbering system

1 Scope and field of application

This International Standard specifies a system for matching agricultural wheeled tractors, having two or more axles, with fully supported, rear mounted implements, by ensuring that a selected load remains on the front axle of a tractor when carrying a particular implement.

2 Symbols (see also the figure)

- W_{re} = The selected static load, in kilograms, remaining on the front axle of the tractor.
- F_{re} = The force, in kilonewtons, exerted by the load W_{re} .
- W_{tr} = The maximum load, in kilograms, which may be transferred from the front axle of the tractor.
- F_{tr} = The maximum force, in kilonewtons, which may be transferred from the front axle of the tractor.

- l = The tractor wheel base, in metres.
- G = The force, in kilonewtons, exerted by the implement, including accessories, in the laden condition.
- y = The horizontal distance, in metres, between the lower hitch points and the centre of gravity of the implement with the lower links horizontal.
- x = The horizontal distance, in metres, between the centreline of the tractor rear wheels and the lower hitch points, with the lower links horizontal.
- M_I = The moment of the implement, in kilonewton metres.
- M_T = The moment of the tractor, in kilonewton metres.
- C_I = The implement code number.
- C_T = The tractor code number.
- f = A correction factor.

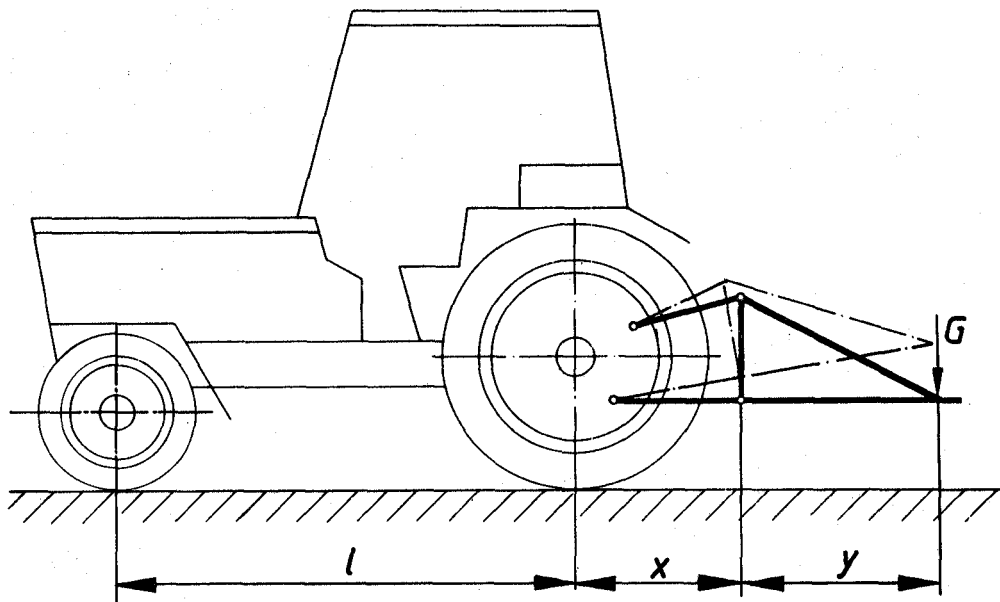


Figure — Symbols used in calculating code numbers