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# International Standard



# 8912

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

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## Equipment for working the soil — Roller sections — Coupling and section width

*Matériel de travail du sol — Sections des rouleaux remorqués — Attelage et largeur de section*

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**Descriptors** : agricultural machinery, tilling equipment, rolls, couplings, specifications, dimensions.

## 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.

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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8912 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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# Equipment for working the soil — Roller sections — Coupling and section width

## 1 Scope and field of application

This International Standard specifies characteristics of coupling devices and lays down dimensions for the section width of trailed agricultural rollers used for working the soil.

## 2 References

ISO 500, *Agricultural tractors — Power-take-off and drawbar — Specification.*

ISO 4254/1, *Tractors and machinery for agriculture and forestry — Technical means for ensuring safety — Part 1: General.*

## 3 General requirements

**3.1** Front-mounted (according to the direction of travel) coupling halves shall be of a ring-type design.

The hitch ring of the leading section shall be designed to accommodate a tractor drawbar clevis as specified in ISO 500.

**3.2** Rear-mounted coupling halves shall be of a clevis-type design.

**3.3** All couplings shall allow free articulation around the vertical axis and  $\pm 30^\circ$  around both the transverse and longitudinal axes.

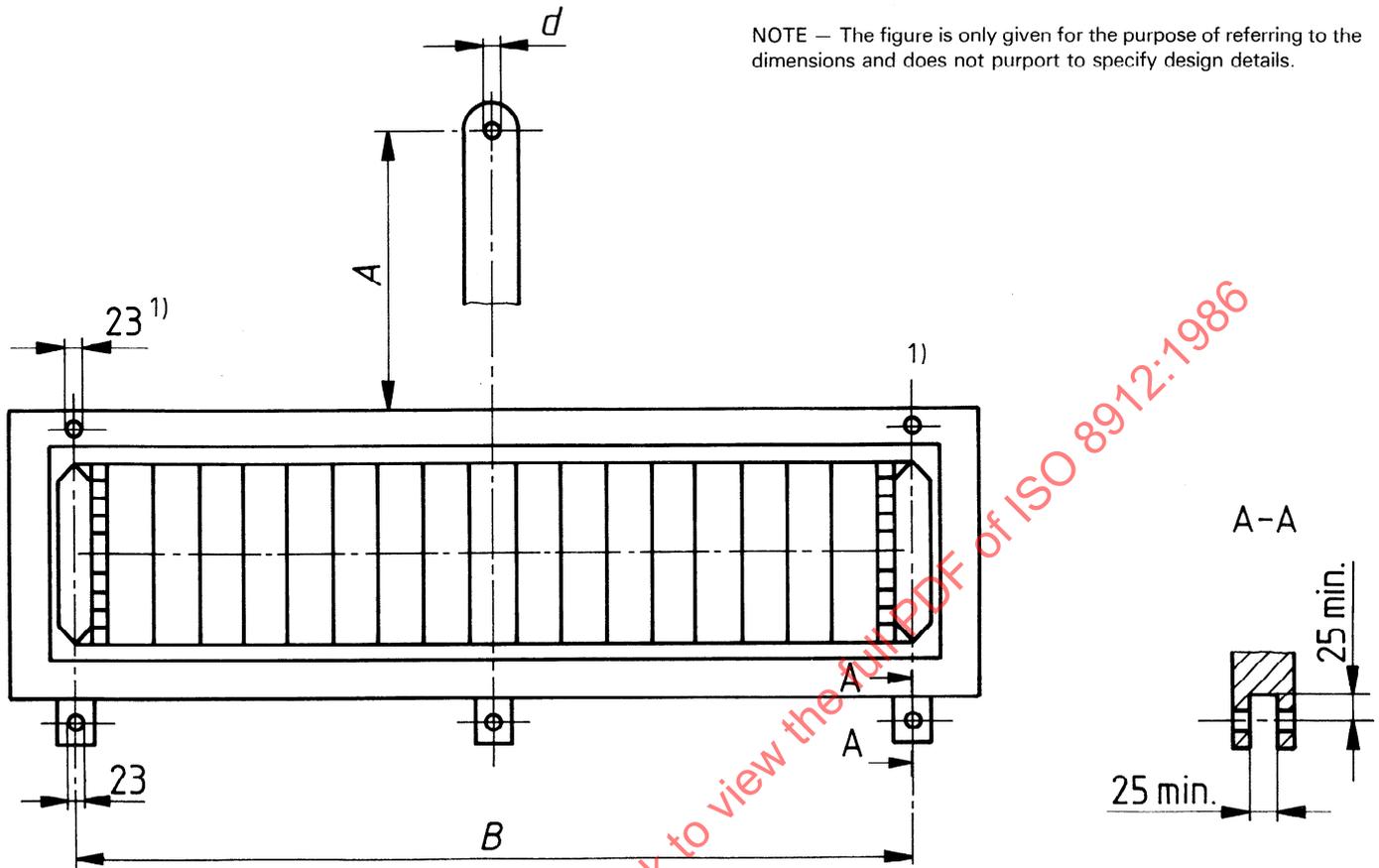
**3.4** Section widths shall comply with the dimensions given in figure 1.

Recommended hitch height for the leading section is  $400 \pm 50$  mm. Recommended hitch height for following sections is approximately equal to the height of the roller axle.

**3.5** If the design of the roller requires coupling facilities other than the central ones, any such facilities shall be placed along the centreline of the outermost (plain) roller rings (see figure 1).

**3.6** Drawbar jacks or supports in accordance with ISO 4254/1 may be required.

Dimensions in millimetres



Parameter	Dimensions	
	Leading section	Following section
Ring hole diameter, $d$	33	23
Hitch length, $A$	1 350 min.	550 ± 50
Section width, $B$	1 500 - 1 800 - 2 100 <sup>2)</sup> - 2 400 <sup>2)</sup> - 2 800 <sup>2)</sup>	

Figure 1 — Section dimensions

1) Roller sections may not have these holes.  
 2) Mainly for rollers having only one section.

## Annex

### Examples of hitching with three or five sections for working or transport

All wings shall be foldable within the limits specified for the section width during transport (see figure 2).

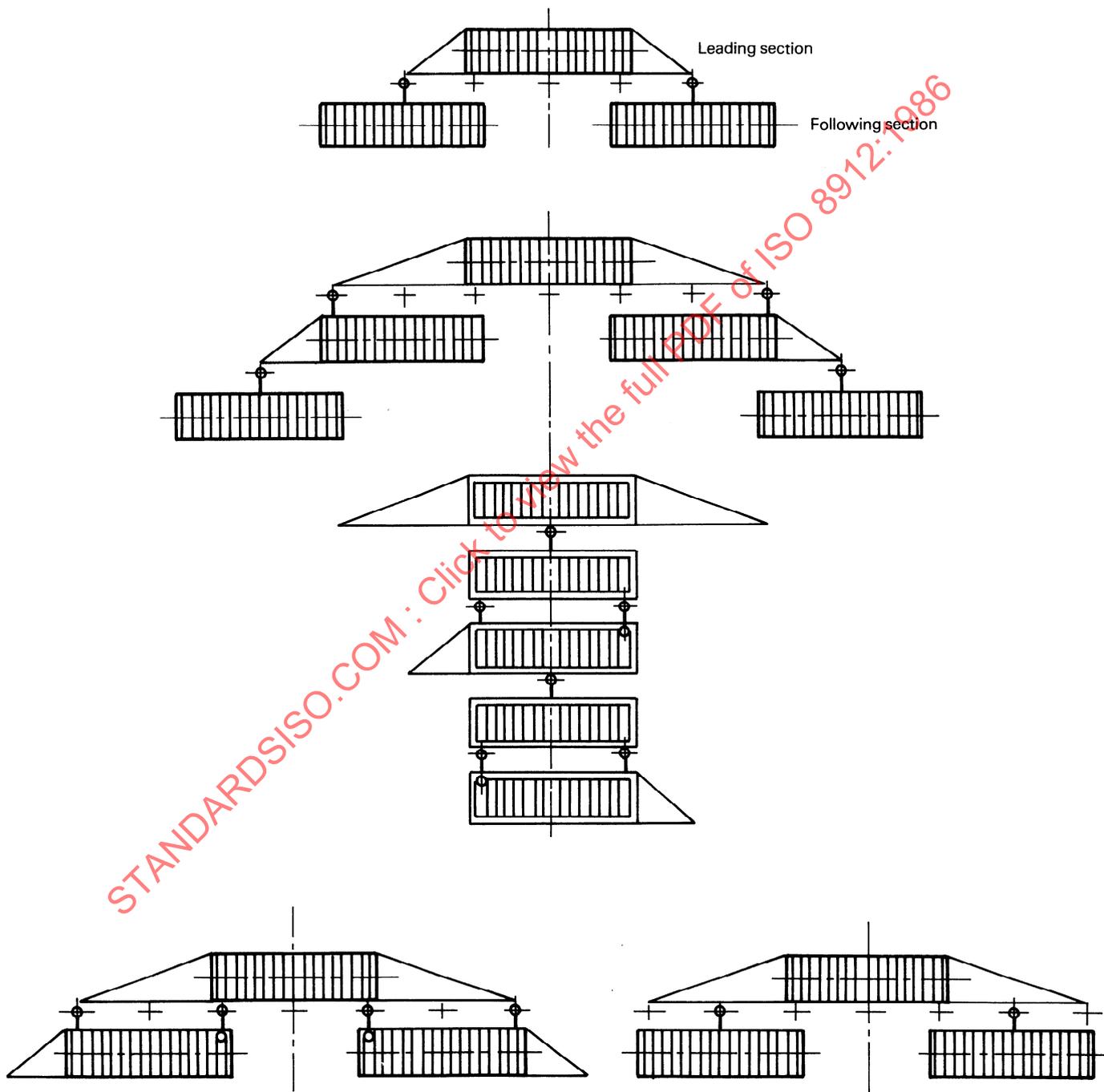


Figure 2 — Examples of hitching with three or five sections

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