International Standard 8016

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

Machinery for agriculture — Wheels with integral hub

Machines agricoles — Roues à moyeu intégré

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Descriptors : agricultural machinery, vehicle wheels, hubs, classification, dimensions, designation.

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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.

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 8016 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*.

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Machinery for agriculture — Wheels with integral hub

1 Scope and field of application

This International Standard specifies a series of implement wheels with integral hubs for agricultural machines, and the dimensions which are necessary for the attachment of such wheels to agricultural machines.

This International Standard applies to implement wheels with integral hubs for agricultural machines.

Supporting wheels are not included in this International Standard.

2 Definitions

2.1 implement wheels : Wheels which are designed to control the working height of an agricultural implement, measured from the ground surface, possibly in connection with the depth control of the tractor.

2.2 supporting wheels : Wheels which are designed to support disconnected agricultural implements or part of such implements, which are carried by the tractor when in use.

3 Classification and designation

3.1 Classification

The wheels are classified according to table 1.

Table 1 — Classification

Steel wheels			Solid tyred wheels			Pneumatic tyred wheels		
Axle mounting	Journal mounting		Axle mounting	Journal mounting		Axle mounting	Journal mounting	
	With nut	For welding		With nut	For welding		With nut	For welding
Plain bearings or ball bearings								

3.1 Designation

Implement wheels are designated by their nominal size and classification and the number of this International Standard.

Example :

Implement wheel 300 × 100 - steel wheels for axle mounting with ball bearings - ISO 8016

4 Dimensions

All dimensions are in millimetres.

The object of the dimensions laid down in this International Standard is exclusively to specify a series of implement wheels for agricultural machines, and the main fixing dimensions. Consequently they are given without tolerances.

Table 2 — Designation of tyres corresponding with nominal sizes

Size, mm	200	250	300	350	400	450	500	600
Tyre	2.50 - 3	3.00 - 4	4.00 - 4	4.00 - 6	4.00 - 8	5.00 - 8	6.00 - 9	7.50 - 10

4.1 Wheels for axle mounting

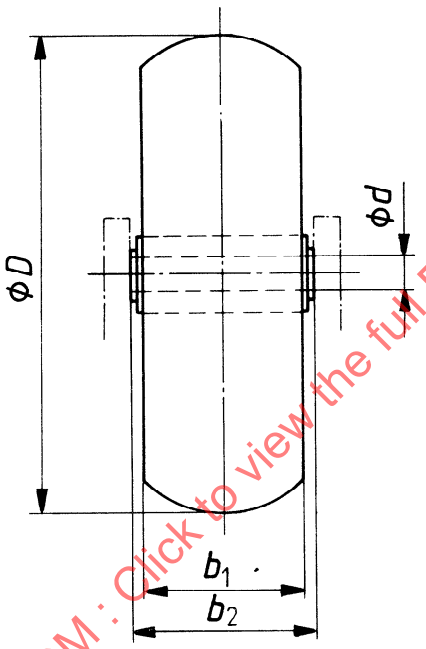

Figure 1

Table 3 — Dimensions for wheels for axle mounting

Dimensions in millimetres

Nominal diameter	Nominal width	D max.	b_1 max.	b_2	d
200	65	210	66	85	13
250	85	250	85	95	17
300	100	305	107	120	17
	140	320*	140	175	17
350	100	360	107	120	17
400	100	410	107	140	21
	150		150	175	21
450	100	460	100	175	21
	150		150		
500	120	550	120	210	21
	150		168		
600	150	650	150	250	25
	200		200		

* LP tyres

4.2 Wheels for journal mounting with nut

NOTE — Stud hub wheels for welding are included for wheel dimensions, with the axle dimensions optional.

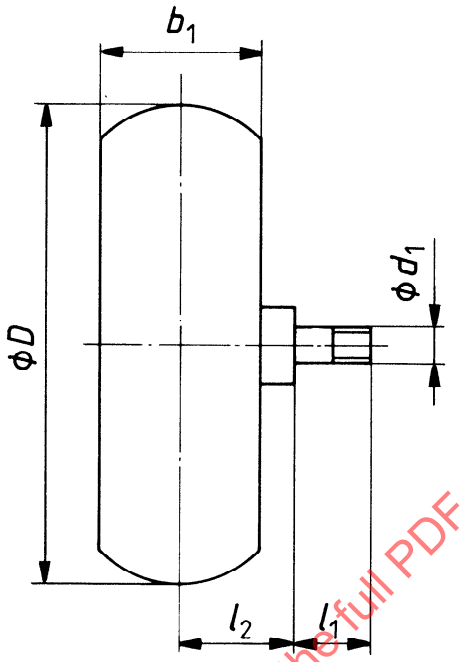

Figure 2

Table 4 — Dimensions for wheels for journal mounting with nut

Dimensions in millimetres

Nominal diameter	Nominal width	D max.	b_1 max.	d_1	l_1	l_2
200	65	210	66*	M20	40	50
250	85	250	85*	M20	40	60
300	100	305	107	M20	50	70
350	100	360	107	M20	50	70
400	100	410	107	M24	65	75
	150		150			95
450	100	460	100	M24	65	75
	150		150			95
500	120	550	120	M24	75	85
	150		168			100

* Free space for wheels narrower than 100 mm shall allow for a hub protrusion at least 50 mm from the centre-line of the wheel.

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