

Tyres (ply rating marked series) and rims for agricultural tractors and machines —

Part 3: Rims

ICS 83.160.30

National foreword

This British Standard reproduces verbatim ISO 4251-3:2006 and implements it as the UK national standard. It supersedes BS AU 50-4.4.1a:1995 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AUE/4, Tyres and wheels for motor vehicles, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to iv, pages 1 to 18, an inside back cover and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2006

© BSI 2006

ISBN 0 580 48481 5

Amendments issued since publication

Amd. No.	Date	Comments

INTERNATIONAL STANDARD

ISO
4251-3

Fourth edition
2006-08-01

Tyres (ply rating marked series) and rims for agricultural tractors and machines —

Part 3: Rims

*Pneumatiques (série à marquage «équivalent nappes») et jantes pour
tracteurs et machines agricoles —*

Partie 3: Jantes



Reference number
ISO 4251-3:2006(E)

AVA Documents
Document Sharing Hub

Contents		Page
Foreword.....		iv
1	Scope	1
2	Normative references	1
3	Rim diameters and circumferences	1
4	Rim contours and valve holes	2
4.1	Drop-centre W and DW rims	3
4.2	Drop-centre DH rims	5
4.3	Drop-centre MW-A rims	7
4.4	Drop-centre DD rims	8
4.5	Other drop-centre rims	9
4.6	Semi-drop-centre rims	12
4.7	Divided rims	13
5	Rim knurling	14
Annex A (normative) Rim diameter measurements.....		15
Annex B (informative) Rims with nominal diameter codes 15.3 and 16.1		17
Bibliography		18

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 4251-3 was prepared by Technical Committee ISO/TC 31, *Tyre, rims and valves*, Subcommittee SC 5, *Agricultural tyres and rims*.

This fourth edition cancels and replaces the third edition (ISO 4251-3:1994), which has been technically revised.

ISO 4251 consists of the following parts, under the general title *Tyres (ply rating marked series) and rims for agricultural tractors and machines*:

- *Part 1: Tyre designation and dimensions, and approved rim contours*
- *Part 2: Tyre load ratings*
- *Part 3: Rims*
- *Part 4: Tyre classification and nomenclature*
- *Part 5: Logging and forestry service tyres*

Tyres (ply rating marked series) and rims for agricultural tractors and machines —

Part 3: Rims

1 Scope

This part of ISO 4251 specifies rim dimensions for the ply rating marked series of tyres for agricultural tractors and machines.

NOTE Tyre designation and dimensions, load ratings and tyre classification and nomenclature are given in ISO 4251-1, ISO 4251-2, ISO 7867-2, ISO 4251-4, ISO 7867-1 and ISO 8664.

All dimensions in this part of ISO 4251 are given in millimetres and are applicable to the side of the rim which is in contact with the tyre.

NOTE Terms used are in accordance with ISO 3911:2004.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4000-2:2001, *Passenger car tyres and rims — Part 2: Rims*

ISO 4209-2:2001, *Truck and bus tyres and rims (metric series) — Part 2: Rims*

3 Rim diameters and circumferences

Nominal rim diameter codes D_R are shown in Table 1 related to the specified rim diameter given in Figure 1.

For rim diameter measurements, see Annex A.

A tolerance of $\pm 1,2$ mm on the rim circumference is permitted.

Table 1 — Rim diameters

Dimensions in millimetres

Nominal rim diameter code D_R	Specified rim diameter ^a D
4	100,8
6	151,6
8	202,4
9 ^b	227,8
10	253,2
12	304,0
13 ^b	329,4
14	354,8
15 ^b	380,2
16	405,6
17 ^b	436,6
18	462,0
19 ^b	487,4
20	512,8
24	614,4
26	665,2
28	716,0
30	766,8
32	817,6
34	868,4
36	919,2
38	970,0
40	1 020,8
42	1 071,6
44	1 122,4
46	1 173,2
48	1 224,0
50	1 274,8
52	1 325,6
54	1 376,4

^a The specified rim diameters, D , in millimetres, are derived from the nominal rim diameter codes, D_R , as follows:
— $D_R > 16$, $D = 25,4 (D_R + 0,187 5)$;
— $D_R \leq 16$, $D = 25,4 (D_R - 0,031 25)$.
The values are rounded to 0,1 mm.

^b Values not recommended.

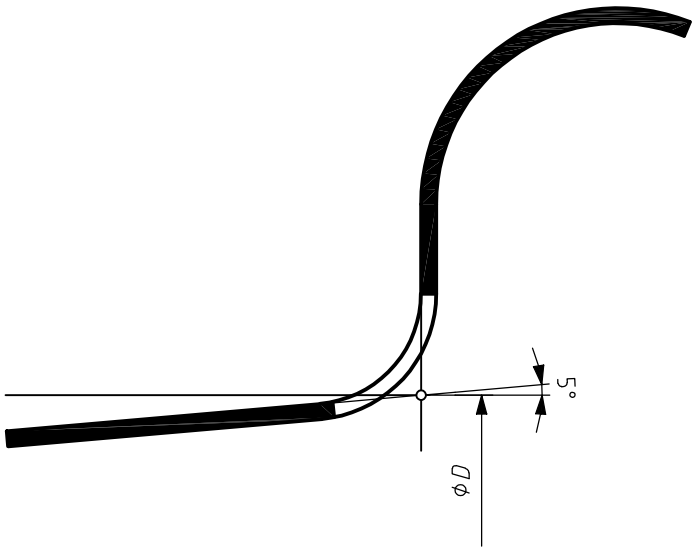


Figure 1 — Specified rim diameter