



BSI Standards Publication

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

Part 1: Tyre designation and dimensions, and approved rim contours

National foreword

This British Standard is the UK implementation of ISO 4251-1:2017. It supersedes BS ISO 4251-1:2005+A1:2012, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AUE/4, Tyres and wheels for motor vehicles.

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

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

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

Part 1:
**Tyre designation and dimensions, and
approved rim contours**

*Pneumatiques (série à marquage "PR") et jantes pour tracteurs et
machines agricoles —*

*Partie 1: Désignation et cotes des pneumatiques et profils de jantes
approuvés*



Reference number
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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by ISO/TC 31, *Tyres, rim and valves*, Subcommittee SC 5, *Agricultural tyres and rims*.

This seventh edition cancels and replaces the sixth edition (ISO 4251-1:2005) which has been technically revised. It also replaces ISO 4251-1:2005/Amd1:2012.

The seventh edition contains the following main changes:

- pictogram for maximum tyre bead seating pressure;
- tyre dimension parameters for vehicle speed reference;
- tables updated incorporating Amendment 1;
- Annex A updated adding tyres for small tractors;
- new Annex B with the comparison values for rolling circumference (RC), rolling circumference index (RCI), speed radius index (SRI).

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

Part 1:

Tyre designation and dimensions, and approved rim contours

1 Scope

This document establishes the designation in use and the dimensions of the ply rating marked series of tyres for agricultural tractors and machines.

Tyre load ratings are given in ISO 4251-2.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 4223-1, *Definitions of some terms used in the tyre industry — Part 1: Pneumatic tyres*

ISO 18805¹⁾, *Tyre classification — Agricultural, forestry and construction machines*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4223-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

4 Marking

The marking of the ply rating marked series of tyres consists of the designation of tyre size and load rating, and any additional information. See [4.1](#) to [4.4](#).

4.1 Tyre size designation

The present size marking for the identification of tyres consists of the nominal tyre width code and the nominal rim diameter code.

EXAMPLE 1

Tyre 13.6 – 28

Tyre 6.50 – 16

1) To be published.

For tyres of radial construction, the letter R replaces the dash.

EXAMPLE 2

Tyre 8.3 R 44

For low section height tyres, the letter L is added to the nominal tyre width code.

EXAMPLE 3

Tyre 9.5L – 15

For low section height tractor steering wheel tyres of diagonal construction, an optional marking may be used in the following manner:

Nominal tyre width code/nominal aspect ratio – nominal rim diameter

EXAMPLE 4

Tyre 9.5/85 – 15

4.2 Load rating

The present marking of load rating comprises the ply rating.

EXAMPLE

Tyre 13.6 – 28 8PR

4.3 Categories of use

4.3.1 Agricultural drive wheels — Tractor tyres

The classification code R, as specified in ISO 18805, may be optionally marked at the tyre sidewall.

4.3.2 Agricultural steering wheels — Tractor tyres

The classification code F, as specified in ISO 18805, may be optionally marked on the tyre sidewall. In addition, the letters “FRONT” or “SL” may be marked after the nominal rim diameter code on the tyre.

4.3.3 Agricultural implement tyres

The classification code I, as specified in ISO 18805, shall be marked on the tyre sidewall, along with an optional marking “IMPLEMENT” or “IMP” or “SL” suffix.

EXAMPLE

| | | |
|---------|-----|-----------|
| 4.00–12 | IMP | |
| 4.00–12 | | IMPLEMENT |
| 4.00–12 | SL | IMPLEMENT |

4.4 Additional information

Tubeless tyres shall be marked with the word “TUBELESS”.

Additionally, classification code markings including tyre classifications may be used as described in ISO 18805, but they are not part of the type size designation of the tyre.

In the case of a preferred direction of rotation of the tyre, an arrow shall be used to indicate that direction.

4.5 Pictogram for maximum tyre bead seating pressure (optional)

The inscription “XXX kPa MAX” inside the pictogram ([Figure 1](#)) indicates the maximum cold inflation pressure that shall not be exceeded for bead seating during tyre mounting. The value of the tyre bead seating pressure is determined by the tyre manufacturer.

[Figure 1](#) shows an example of the pictogram to be marked on both sidewalls of the tyre.

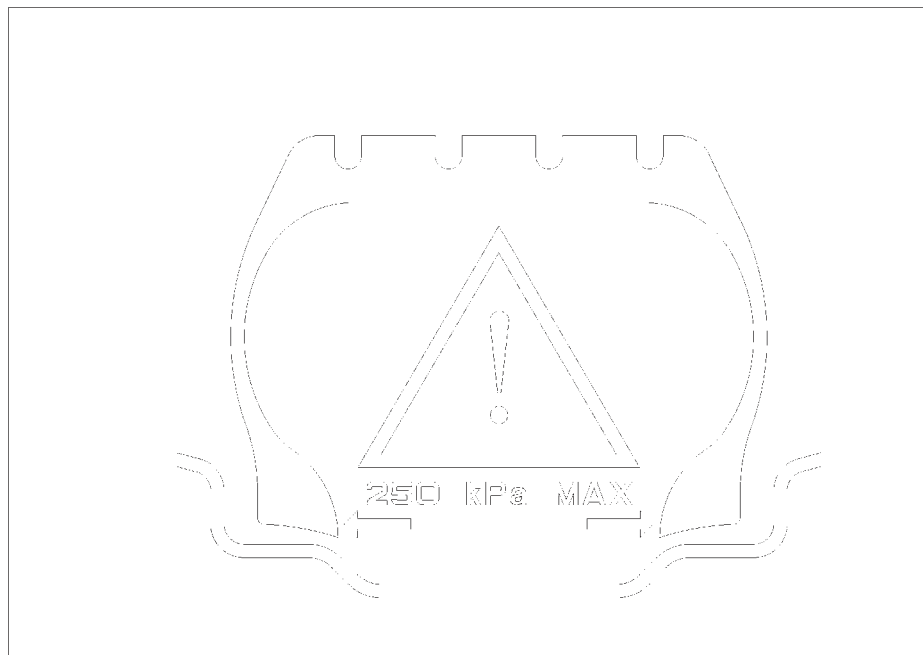


Figure 1 — Pictogram for the maximum bead seating inflation pressure

5 Dimensions and tolerances

5.1 Agricultural drive wheels — Tractor tyres

Tyre size designations, measurement rims, design dimensions of new tyres, and maximum tyre dimensions in service are given in

- a) [Table 1](#) for tyres of diagonal construction with normal section height;
- b) [Table 2](#) for tyres of diagonal construction with low section height;
- c) [Table 3](#) for tyres of radial construction for special cultivation work.

5.2 Agricultural steering wheels — Tractor tyres

Tyre size designations, measurement rims, design dimensions of new tyres, and maximum tyre dimensions in service are given in

- a) [Table 4](#) for tyres of diagonal construction with normal section height;
- b) [Table 5](#) for tyres of diagonal construction with low section height.

5.3 Agricultural implement tyres

Tyre size designations, measurement rims, design dimensions of new tyres and maximum tyre dimensions in service are given in

- a) [Table 6](#) for tyres of diagonal construction with normal section height;
- b) [Table 7](#) for tyres of diagonal construction with low section height.

6 Tyre dimension parameters for vehicle speed reference

6.1 Speed radius index

Speed Radius Indices (SRI) given in Annex B are parameters which are used exclusively for the calculation of forward ground speed during homologation procedures (further information see ISO 3965).

6.2 Rolling circumference index

Values are given in [Annex B](#) for tyres of diagonal and radial constructions with normal section height and for agricultural tractor drive wheel tyres of diagonal construction with low section height.

7 Tyre and rim coordination

Approved rim contours are given in

- a) [Table 8](#) for agricultural drive wheel tractor tyres;
- b) [Table 9](#) for agricultural steering wheel tractor tyres;
- c) [Table 10](#) for agricultural implement tyres with normal section height;
- d) [Table 11](#) for agricultural implement tyres with low section height.

8 Tubes

Whenever a tube is required it should be identified by the same designation as the tyre size in which it is to be mounted.

Table 1 — Agricultural drive wheels — Tractor tyres (diagonal construction, normal section height) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | |
|-----------------------|----------------------------|--------------------------------|-------------------------------|-----------------------|---------------------------------------|
| | | Section width | Overall diameter ^a | Maximum overall width | Maximum overall diameter ^b |
| 8.3 – 16 | 7.00 | 211 | 790 | 228 | 813 |
| 8.3 – 24 | | | 995 | | 1 019 |
| 8.3 – 36 | | | 1 300 | | 1 323 |
| 8.3 – 38 | | | 1 351 | | 1 374 |
| 8.3 – 42 | | | 1 452 | | 1 475 |
| 8.3 – 44 | | | 1 503 | | 1 526 |
| 9.5 – 16 | 8.00 | 241 | 845 | 260 | 871 |
| 9.5 – 22 | | | 997 | | 1 024 |
| 9.5 – 24 | | | 1 050 | | 1 076 |
| 9.5 – 32 | | | 1 250 | | 1 276 |
| 9.5 – 36 | | | 1 355 | | 1 381 |
| 9.5 – 38 | | | 1 404 | | 1 430 |
| 9.5 – 42 | | | 1 505 | | 1 532 |
| 9.5 – 44 | | | 1 556 | | 1 582 |
| 9.5 – 48 | | 1 658 | 1 684 | | |
| 11.2 – 20 | 10.00 | 284 | 1 002 | 307 | 1 032 |
| 11.2 – 24 | | | 1 105 | | 1 135 |
| 11.2 – 28 | | | 1 205 | | 1 235 |
| 11.2 – 36 | | | 1 410 | | 1 438 |
| 11.2 – 38 | | | 1 460 | | 1 488 |
| 11.2 – 42 | | | 1 561 | | 1 591 |
| 12.4 – 16 | 11.00 | 215 | 955 | 340 | 988 |
| 12.4 – 24 | | | 1 160 | | 1 192 |
| 12.4 – 28 | | | 1 260 | | 1 292 |
| 12.4 – 32 | | | 1 360 | | 1 392 |
| 12.4 – 36 | | | 1 465 | | 1 497 |
| 12.4 – 38 | 11-00 | 315 | 1 515 | 340 | 1 547 |
| 12.4 – 42 | | | 1 616 | | 1 649 |
| 12.4 – 46 | | | 1 718 | | 1 751 |
| 13.6 – 16 | 12.00 | 345 | 1 005 | 373 | 1 042 |
| 13.6 – 24 | | | 1 210 | | 1 246 |
| 13.6 – 26 | | | 1 285 | | 1 311 |
| 13.6 – 28 | | | 1 310 | | 1 346 |
| 13.6 – 36 | | | 1 515 | | 1 551 |
| 13.6 – 38 | | | 1 565 | | 1 601 |
| 13.6 – 46 | | | 1 770 | | 1 804 |
| 13.6 – 48 | | | 1 819 | | 1 855 |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of –3 % on design section height.

^b Figures are based on tyres with classification code R-1. The tractor manufacturer shall recognize that tyres with deep tread and related increased overall diameter may be used.

Table 1 (continued)

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | |
|-----------------------|----------------------------|--------------------------------|-------------------------------|-----------------------|---------------------------------------|
| | | Section width | Overall diameter ^a | Maximum overall width | Maximum overall diameter ^b |
| 14.9 - 24 | 13.00 | 378 | 1 265 | 408 | 1 305 |
| 14.9 - 26 | | | 1 315 | | 1 355 |
| 14.9 - 28 | | | 1 365 | | 1 405 |
| 14.9 - 30 | | | 1 415 | | 1 455 |
| 14.9 - 38 | | | 1 615 | | 1 655 |
| 15.5 - 38 | 14.00 | 394 | 1 570 | 426 | 1 606 |
| 16.9 - 24 | 15.00 | 429 | 1 335 | 463 | 1 379 |
| 16.9 - 26 | | | 1 385 | | 1 429 |
| 16.9 - 28 | | | 1 435 | | 1 479 |
| 16.9 - 30 | | | 1 485 | | 1 529 |
| 16.9 - 34 | | | 1 585 | | 1 629 |
| 16.9 - 38 | | | 1 690 | | 1 734 |
| 18.4 - 24 | 16.00 | 467 | 1 400 | 504 | 1 447 |
| 18.4 - 26 | | | 1 450 | | 1 498 |
| 18.4 - 28 | | | 1 500 | | 1 548 |
| 18.4 - 30 | | | 1 550 | | 1 598 |
| 18.4 - 34 | | | 1 650 | | 1 698 |
| 18.4 - 38 | | | 1 750 | | 1 798 |
| 18.4 - 42 | | | 1 850 | | 1 698 |
| 18.4 - 46 | | | 1 958 | | 2 006 |
| 20.8 - 34 | 18.00 | 528 | 1 732 | 570 | 1 785 |
| 20.8 - 38 | | | 1 834 | | 1 886 |
| 20.8 - 42 | | | 1 935 | | 1 988 |
| 23.1 - 26 | 20.00 | 587 | 1 605 | 634 | 1 661 |
| 23.1 - 30 | | | 1 705 | | 1 761 |
| 23.1 - 34 | | | 1 805 | | 1 861 |
| 24.5 - 32 | 21.00 | 622 | 1 805 | 672 | 1 865 |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of -3 % on design section height.

^b Figures are based on tyres with classification code R-1. The tractor manufacturer shall recognize that tyres with deep tread and related increased overall diameter may be used.

Table 2 — Agricultural drive wheels — Tractor tyres (diagonal construction, low section height) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | |
|----------------------------|----------------------------|--------------------------------|-------------------------------|-----------------------|---------------------------------------|
| | | Section width | Overall diameter ^a | Maximum overall width | Maximum overall diameter ^b |
| 17.5L - 24 | 15.00 | 445 | 1 265 | 480 | 1 304 |
| 19.5L - 24 | 17.00 | 495 | 1 340 | 535 | 1 382 |
| 21L - 24 | 18.00 | 533 | 1 400 | 576 | 1 450 |
| 28L - 26 ^c | 25.00 | 714 | 1 615 | 771 | 1 673 |
| 30.5L - 32 ^d | 27.00 | 775 | 1 820 | 837 | 1 881 |
| VA 30.5L - 32 ^d | | | | | |
| DH 35.5L - 32 ^d | 31.00 | 902 | 1 980 | 974 | 2 051 |
| VA 35.5L - 32 ^d | | | | | |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of -3 % on design section height.

^b Figures are based on tyres with classification code R-1. The tractor manufacturer shall recognize that tyres with deep tread and related increased overall diameter may be used.

^c Optional size designation 28.1 - 26.

^d VA rims are not interchangeable with DH or DH-H, DH-B, DH-HB or DWM rims.

Table 3 — Agricultural drive wheels — Tractor tyres for special cultivation work (radial construction) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | |
|-----------------------|----------------------------|--------------------------------|------------------|-----------------------|--------------------------|
| | | Section width | Overall diameter | Maximum overall width | Maximum overall diameter |
| 8.3 R 36 | 7.00 | 211 | 1 290 | 228 | 1 315 |
| 8.3 R 38 | | | 1 340 | | 1 365 |
| 8.3 R 42 | | | 1 440 | | 1 465 |
| 8.3 R 44 | | | 1 495 | | 1 520 |
| 9.5 R 36 | 8.00 | 241 | 1 345 | 260 | 1 365 |
| 9.5 R 44 | | | 1 550 | | 1 575 |
| 9.5 R 48 | | | 1 650 | | 1 675 |
| 11.2 R 42 | 10.00 | 284 | 1 557 | 307 | 1 577 |
| 12.4 R 46 | 11.00 | 315 | 1 705 | 340 | 1 730 |
| 13.6 R 48 | 12.00 | 345 | 1 804 | 373 | 1 827 |

Table 4 — Agricultural steering wheels — Tractor tyres (diagonal construction, normal section height) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | | |
|-----------------------|----------------------------|--------------------------------|-------------------------------|------------------------|--|-----|
| | | Section width | Overall diameter ^a | Maximum over-all width | Maximum over-all diameter ^b | |
| 4.00 – 12 | 3.00 | 112 | 535 | 122 | 553 | |
| 4.00 – 15 | | | 610 | | 628 | |
| 4.00 – 16 | | | 630 | | 641 | |
| 4.00 – 19 | | | 712 | | 723 | |
| 4.50 – 16 | | 122 | 122 | 655 | 133 | 667 |
| 4.50 – 19 | 736 | | | 748 | | |
| 5.00 – 15 | 4.00 | 140 | 655 | 153 | 677 | |
| 5.00 – 16 | | | 680 | | 694 | |
| 5.50 – 16 | | | 710 | | 734 | |
| 6.00 – 14 | 4.50 | 165 | 688 | 180 | 715 | |
| 6.00 – 16 | | | 735 | | 761 | |
| 6.00 – 19 | | | 814 | | 830 | |
| 6.00 – 20 | | | 840 | | 857 | |
| 6.50 – 16 | | 175 | 175 | 760 | 191 | 788 |
| 6.50 – 20 | | | | 865 | | 894 |
| 7.50 – 16 | 5.50 | 205 | 805 | 223 | 837 | |
| 7.50 – 18 | | | 860 | | 892 | |
| 7.50 – 20 | | | 915 | | 948 | |
| 8.00 – 16 | | 211 | 813 | 230 | 845 | |
| 9.00 – 16 | 6.00 | 234 | 855 | 255 | 891 | |
| 9.50 – 20 | 7.00 | 254 | 978 | 277 | 1 015 | |
| 10.00 – 16 | 8.00 | 274 | 895 | 299 | 934 | |
| 11.00 – 16 | 10.00 | 315 | 965 | 343 | 1 010 | |
| 11.00 – 20 | | | 1 069 | | 1 134 | |
| 11.00 – 24 | | | 1 170 | | 1 215 | |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of -3 % on design section height.

^b Figures are based on tyres with classification code F-2.

Table 5 — Agricultural steering wheels — Tractor tyres (diagonal construction, low section height) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Optional size marking | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | |
|-----------------------|-----------------------|----------------------------|--------------------------------|-------------------------------|-----------------------|---------------------------------------|
| | | | Section width | Overall diameter ^a | Maximum overall width | Maximum overall diameter ^b |
| 7.5L – 15 | 8.25/85 – 15 | 6.00 | 210 | 745 | 229 | 774 |
| 9.5L – 15 | 9.50/85 – 15 | 8.00 | 240 | 785 | 262 | 817 |
| 11L – 15 | 11.50/75 – 15 | | 280 | 815 | 305 | 850 |
| 11L – 16 | — | | | 838 | | 873 |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of –3 % on design section height.

^b Figures are based on tyres with classification code F–2.

Table 6 — Agricultural implement tyres (diagonal construction, normal section height) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | | |
|-----------------------|----------------------------|--------------------------------|-------------------------------|-----------------------|---------------------------------------|-----|
| | | Section width | Overall diameter ^a | Maximum overall width | Maximum overall diameter ^b | |
| 2.50 – 8 | 1.50 | 68 | 338 | 71 | 345 | |
| 3.00 – 4 | 2.50 | 90 | 265 | 95 | 270 | |
| 3.00 – 8 | | 90 | 367 | 95 | 374 | |
| 3.50 – 6 | | 100 | 343 | 105 | 350 | |
| 3.50 – 8 | | 100 | 393 | 105 | 401 | |
| 4.00 – 4 | | 3.00 | 114 | 313 | 122 | 319 |
| 4.00 – 8 | 112 | | 418 | 122 | 429 | |
| 4.00 – 9 | 112 | | 443 | 122 | 460 | |
| 4.00 – 10 | 114 | | 465 | 120 | 474 | |
| 4.00 – 12 | 112 | | 519 | 122 | 536 | |
| 4.00 – 15 | 112 | | 595 | 122 | 612 | |
| 4.00 – 18 | 112 | | 672 | 122 | 689 | |
| 4.50 – 19 | | | 124 | 720 | 130 | 734 |
| 5.00 – 12 | 4.00 | | 145 | 567 | 152 | 578 |
| 5.00 – 14 | | | 145 | 618 | 152 | 630 |
| 5.00 – 15 | | 145 | 644 | 152 | 657 | |
| 5.50 – 16 | | 150 | 685 | 162 | 707 | |
| 5.90 – 15 | | 150 | 665 | 163 | 688 | |
| 6.00 – 9 | 4.50 | 169 | 543 | 172 | 554 | |
| 6.00 – 16 | 4.00 | 158 | 712 | 172 | 736 | |
| 6.40 – 15 | 4.50 | 163 | 684 | 178 | 708 | |
| 6.50 – 16 | | 173 | 735 | 188 | 761 | |
| 6.70 – 15 | | 170 | 704 | 185 | 729 | |
| 7.00 – 12 | 5.00 | 187 | 652 | 204 | 680 | |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of –3 % on design section height.

Table 6 (continued)

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | |
|-----------------------|----------------------------|--------------------------------|-------------------------------|-----------------------|---------------------------------------|
| | | Section width | Overall diameter ^a | Maximum overall width | Maximum overall diameter ^b |
| 7.00 – 16 | 5.50 | 200 | 769 | 210 | 784 |
| 7.00 – 19 | | 200 | 345 | 210 | 862 |
| 7.50 – 10 | 6.00 | 214 | 634 | 225 | 647 |
| 7.50 – 14 | 5.50 | 194 | 686 | 212 | 713 |
| 7.50 – 16 | | 202 | 785 | 220 | 809 |
| 7.50 – 18 | | 202 | 836 | 220 | 866 |
| 7.50 – 20 | | 202 | 887 | 220 | 917 |
| 7.50 – 24 | | 202 | 989 | 220 | 1 020 |
| 7.60 – 15 | 6.00 | 193 | 734 | 210 | 763 |
| 8.25 – 16 | | 229 | 832 | 240 | 849 |
| 9.00 – 10 | | 234 | 696 | 255 | 732 |
| 9.00 – 16 | | 234 | 848 | 254 | 883 |
| 9.00 – 24 | | 8.00 | 272 | 1 094 | 296 |
| 10.00 – 12 | 6.50 | 262 | 790 | 275 | 806 |
| 10.00 – 15 | 8.00 | 274 | 853 | 299 | 891 |
| 11.00 – 16 | 10.00 | 315 | 965 | 343 | 999 |
| 11.25 – 24 | | 325 | 1 171 | 354 | 1 216 |
| 11.25 – 28 | | 325 | 1 273 | 354 | 1 318 |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of –3 % on design section height.

Table 7 — Agricultural implement tyres (diagonal construction, low section height) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | | Dimensions in service | | |
|-----------------------|----------------------------|--------------------------------|----------------------|------------------|-----------------------|--------------------------|------------------|
| | | Section width | Overall diameter | | Maximum overall width | Maximum overall diameter | |
| | | | Non-traction pattern | Traction pattern | | Non-traction pattern | Traction pattern |
| 5.5/85 – 9 | 4.00 | 145 | 475 | 493 | 152 | 495 | 506 |
| 13.5/85 – 28 | 11.00 | 345 | 1 293 | 1 315 | 362 | 1 322 | 1 344 |
| 16.5/85 – 24 | 13.00 | 417 | 1 322 | 1 344 | 438 | 1 358 | 1 380 |
| 16.5/85 – 28 | 13.00 | 417 | 1 423 | 1 445 | 438 | 1 454 | 1 481 |
| 6.5/80 – 12 | 500 | 163 | 569 | 588 | 171 | 577 | 597 |
| 6.5/80 – 15 | 550 | 163 | 645 | 663 | 171 | 658 | 677 |
| 10.0/80 – 12 | 950 | 264 | 710 | 730 | 277 | 730 | 751 |
| 10.5/80 – 18 | 950 | 274 | 885 | 907 | 288 | 906 | 930 |
| 12.0/80 – 18 | 950 | 308 | 965 | 987 | 323 | 990 | 1 014 |
| 15.5/80 – 24 | 13.00 | 394 | 1 240 | 1 262 | 414 | 1 271 | 1 293 |
| 19.5/80 – 20 | 16.00 | 499 | 1 300 | 1 322 | 524 | 1 340 | 1 362 |
| 21.0/80 – 20 | 16.00 | 525 | 1 362 | 1 384 | 551 | 1 405 | 1 427 |
| 12.0/75 – 18 | 9.00 | 299 | 915 | 937 | 314 | 938 | 961 |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of –3 % on design section height.

Table 7 (continued)

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | | Dimensions in service | | |
|-----------------------|----------------------------|--------------------------------|----------------------|------------------|-----------------------|--------------------------|------------------|
| | | Section width | Overall diameter | | Maximum overall width | Maximum overall diameter | |
| | | | Non-traction pattern | Traction pattern | | Non-traction pattern | Traction pattern |
| 13.0/75 - 16 | 11.00 | 336 | 900 | 922 | 353 | 925 | 948 |
| 14.5/75 - 20 | 12.00 | 372 | 1 060 | 1 082 | 390 | 1 087 | 1111 |
| 9.0/70 - 16 | 7.00 | 226 | 725 | 745 | 237 | 741 | 762 |
| 11.5/70 - 16 | 9.00 | 290 | 815 | 837 | 305 | 835 | 858 |
| 11.5/70 - 18 | 9.00 | 290 | 865 | 887 | 305 | 885 | 908 |
| 15.0/70 - 18 | 13.00 | 391 | 990 | 1 012 | 411 | 1 017 | 1 040 |
| 16.0/70 - 20 | 14.00 | 418 | 1 075 | 1 097 | 439 | 1 105 | 1 126 |
| 20.5/70 - 20 | 16.00 | 508 | 1 220 | 1 242 | 533 | 1 255 | 1 279 |
| 10.5/65 - 16 | 9.00 | 274 | 755 | 777 | 288 | 774 | 797 |
| 11.0/65 - 12 | 9.00 | 281 | 670 | 692 | 295 | 688 | 711 |
| 13.0/65 - 18 | 11.00 | 336 | 890 | 912 | 353 | 912 | 935 |
| 14.0/65 - 16 | 11.00 | 353 | 870 | 892 | 371 | 893 | 916 |
| 15.0/55 - 17 | 13.00 | 391 | 850 | 872 | 411 | 871 | 894 |
| 19.0/45 - 17 | 16.00 | 491 | 866 | - | 516 | 888 | - |
| 7.5L - 15 | 6.00 | 210 | 745 | 765 | 220 | 763 | 783 |
| 8.5L - 4 | 6.00 | 216 | 721 | - | 235 | 750 | - |
| 9.5L - 14 | 7.00 | 241 | 741 | - | 263 | 772 | - |
| 9.5L - 15 | | | 767 | 782 | | 786 | 802 |
| 11L - 14 | 8.00 | 279 | 752 | - | 305 | 783 | - |
| 11L - 15 | | | 777 | 796 | | 797 | 816 |
| 11L - 16 | | | 803 | 821 | | 822 | 842 |
| 12.5L - 15 | 10.00 | 318 | 823 | - | 346 | 859 | - |
| 12.5L - 16 | | | 848 | - | | 884 | - |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of -3 % on design section height.

Table 8 — Agricultural drive wheels — Tractor tyres — Approved rim contours

| Tyre section code | Rim diameter code | Approved rim contours ^a |
|-------------------|----------------------------|------------------------------------|
| 8.3 | 16, 22, 24, 36, 38, 42, 44 | W6, W7 |
| 9.5 | 22, 24, 32, 36, 38, 44, 48 | W7, W8 |
| 11.2 | 24, 28, 36, 38, 42 | W9, W10, W10H |
| 11.6 | 24, 28, 36, 38 | W11, W12, W12A |
| 11.6 | 48 | W11, W12, W12A |
| 12.4 | 16 | W10L, 10LB |
| 12.4 | 24, 28, 32, 36, 38, 46 | W9, W10, W10A, W10H, W11, W11A |

^a DW and DW-A rims with equivalent flanges are also permitted where W and W-A rims are shown, respectively. Consult the tyre manufacturer for the preferred rim contours.

^b For tyres up to 10 PR only.

^c For 12 PR tyres only.

^d For tyres of 12 PR or higher, only.

^e VA rims are not interchangeable with DH or DH-H, DH-B, DH-HB or DWM rims.

Table 8 (continued)

| Tyre section code | Rim diameter code | Approved rim contours ^a |
|-------------------|----------------------------|--|
| 12.4 | 42 | W10, W10H, W11 |
| 13.6 | 16 | W10L, W12L |
| 13.6 | 24, 26, 28, 36, 38, 46, 48 | W11, W12, W12A |
| 14.9 | 24, 26, 28, 30, 38 | W11, W12, W12A, W13, W13A |
| 15.5 | 38 | W14A, W14L |
| 16.9 | 24, 26, 28, 30, 34, 38 | W14A, W14L, W15A, W15L |
| 18.4 | 24, 26, 28, 36, 38, 48 | W11, W12, W12A |
| 20.8 | 34, 38, 42 | W16A, W16L, W17L, W18L, W18A, DD16, DD18 |
| 23.1 | 26, 30, 34 | DW18, DW18A, DW20A, MW20A |
| 24.5 | 32 | DW20A, DW21A, DH21, DH21H |
| 17.5L | 24 | W15L |
| 19.5L | 24 | W15L ^b , W16L, DW16A |
| 21L | 24 | W18L ^b , DW18A |
| 28L | 26 | DW23A, DW25A |
| 30.5L | 32 | DW27A, DH27 |
| VA30.5L | 32 | 27VA |
| DH35.5L | 32 | DH31 ^e , DH31H ^e , DH31B ^e , DH31HB ^e , 31DWM ^e |
| VA35.5L | 32 | 31VA |

^a DW and DW-A rims with equivalent flanges are also permitted where W and W-A rims are shown, respectively. Consult the tyre manufacturer for the preferred rim contours.

^b For tyres up to 10 PR only.

^c For 12 PR tyres only.

^d For tyres of 12 PR or higher, only.

^e VA rims are not interchangeable with DH or DH-H, DH-B, DH-HB or DWM rims.

Table 9 — Agricultural steering wheels — Tractor tyres — Approved rim contours

| Tyre size designation | Approved rim contours |
|-----------------------|--|
| 4.00 - 12 | 2.50C, 3.00D |
| 4.00 - 15 | 3.00D, 4J |
| 4.00 - 16 | 3.00D |
| 4.00 - 19 | 3.00D |
| 4.50 - 16 | 3.00D |
| 4.50 - 19 | 3.00D |
| 5.00 - 15 | 3.00D, 4.00E, 4J |
| 5.00 - 16 | 3.00D, 4.00E, 4J, 4½J |
| 5.50 - 16 | 4.00E, 4.25KA, 4.50E |
| 6.00 - 14 | 5KB |
| 6.00 - 16 | 4.00E, 4.25KA, 4.50E, 5.00F, 5K |
| 6.00 - 19 | 4.00E, 4.50E, 5.00F |
| 6.00 - 20 | 4.50E, 5.00F |
| 6.50 - 16 | 4.00E, 4.25KA, 4.50E, 5.00F, 5K, 5.50F |
| 6.50 - 20 | 5.00F, 5.50F |

Table 9 (continued)

| Tyre size designation | Approved rim contours |
|--------------------------|------------------------------|
| 7.50 – 16 | 5.00F, 5K, 5.50F, 6.00F, 6LB |
| 7.50 – 18 | 5.00F, 5.50F |
| 7.50 – 20 | 5.00F, 5.50F |
| 8.00 – 16 | 5.50F |
| 9.00 – 16 | 6.00F, 6LB, W7, W8, W8L, 8LB |
| 9.50 – 20 | W7L |
| 10.00 – 16 | W8, W8 L, 8LB |
| 11.00 – 16 | W8, W8L, 8LB, W10L, 10L8 |
| 11.00 – 20 | W10H |
| 11.00 – 24 | W10, W10H |
| 7.5L – 15 (8.25/85 – 15) | 5K, 5KB, 5½J, 5½K, 6L, 6LB |
| 9.5L – 15 (9.50/85 – 15) | 6LB |
| 11L – 15 (11.50/75 – 15) | W8L, 8LB, 10LB |
| 11L – 16 | W8L, 8LB, 10LB, W10L |

Table 10 — Agricultural implement tyres (normal section height) — Approved rim contours

| Tyre size designation | Approved rim contours |
|-----------------------|--|
| 2.50 – 8 | 1.50 |
| 3.00 – 4 | 2.10 |
| 3.00 – 8 | 2.10 |
| 3.50 – 6 | 2.50A, 2.50C |
| 3.50 – 8 | 2.15, 2.50A, 2.50C |
| 4.00 – 4 | 2.50C, 3.00D |
| 4.00 – 8 | 2.50A, 3.00D |
| 4.00 – 9 | 3.00D |
| 4.00 – 10 | 2.50A, 2.50C, 3.00B, 3.00D |
| 4.00 – 12 | 2.50C, 3.00B, 3.00D |
| 4.00 – 15 | 3.00D, 4J |
| 4.00 – 18 | 3.00D |
| 4.50 – 19 | 3.00D, 3.500 |
| 5.00 – 12 | 3.00D, 3.50D, 4.00E, 4J |
| 5.00 – 14 | 3.000, 3.50D, 4.00E, 4J |
| 5.00 – 15 | 3.00D, 4.00E, 4J, 4½J |
| 5.50 – 16 | 3.500, 4.00E, 4.25KA, 4.50E |
| 5.90 – 15 | 4½K, 4½KB, 5K, 5KB |
| 6.00 – 9 | 4.00E |
| 6.00 – 16 | 4.00E, 4.25KA, 4.50E, 5.00F, 5K |
| 6.40 – 15 | 4.00E, 4½K, 4½KB, 5K, 5KB, 5.50F |
| 6.50 – 16 | 4.00E, 4.25KA, 4.50E, 5.00F, 5K, 5.50F |
| 6.70 – 15 | 4½KB, 5KB |
| 7.00 – 12 | 5.00F, 5JA, 5.50F |
| 7.00 – 19 | 4.50E, 5.00F, 5.50F |
| a | For 6 PR tyres only. |
| b | For 8 PR tyres only. |

Table 10 (continued)

| Tyre size designation | Approved rim contours |
|-----------------------------------|---|
| 7.50 – 10 | 5.00F, 5.50F, 6.00F |
| 7.50 – 14 | 5KB, 6KB |
| 7.50 – 16 | 5.00F, 5K, 5.50F, 6.00F, 6L8 |
| 7.50 – 18 | 5.00F, 5.50F |
| 7.50 – 20 | 5.00F, 5.50F |
| 7.50 – 24 | W7 |
| 7.60 – 15 | 6LB |
| 8.25 – 16 | 5.00F, 5.50F, 6.00F |
| 9.00 – 10 | 5.50F, 6.00F |
| 9.00 – 16 | 5.50F, 6.00F, 6LB, 3LB, W8L |
| 9.00 – 24 | W7 ^a , W8 ^a , W8H, W8H ^b |
| 10.00 – 12 | 7.00 |
| 10.00 – 15 | 8 LB |
| 11.00 – 16 | W8, W8L, W10L, 10LB |
| 11.25 – 24 | W8, W8H, W10, W10H |
| 11.25 – 28 | W10, W10H |
| ^a For 6 PR tyres only. | |
| ^b For 8 PR tyres only. | |

Table 11 — Agricultural implement tyres (low section height) — Approved rim contours

| Tyre size designation | Approved rim contours |
|--|------------------------------|
| 5.5/85 – 9 | 4.00E |
| 13.5/85 – 28 | W11, W12 |
| 16.5/85 – 24 | W13, W14L, W15L |
| 16.5/85 – 28 | W13, W14L, W15L |
| 6.5/80 – 12 | 5J, 5JA |
| 6.5/80 – 15 | 4½K, 5.0, 5J, 5K |
| 10.0/80 – 12 | 7.00, 9.00 |
| 10.5/80 – 18 | 9, 9.00, W9 |
| 12.5/80 – 18 | 9 ^a , W9, 11 |
| 15.5/80 – 24 | W12, W13, W14L |
| 19.5/80 – 20 | W16L |
| 21.0/80 – 20 | 16SDC |
| 12.0/75 – 18 | 9 ^b , W9, 11 |
| 13.0/75 – 16 | 9, W9, 11, W11 |
| 14.5/75 – 20 | 11, 11SDC, 12SDC, 13, 13SDC |
| 10.0/65 – 16 | W8L, W9 |
| 11.0/65 – 12 | 9.00 |
| 13.0/65 – 18 | 9 ^a , 11 |
| 14.0/65 – 16 | 11 |
| 9.0/70 – 16 | W7 |
| 11.5/70 – 16 | W8, W8L, W9 |
| ^a For tyres up to 10 PR only. | |
| ^b For tyres up to 8 PR only. | |

Table 11 (continued)

| Tyre size designation | Approved rim contours |
|-------------------------------|-----------------------|
| 11.5/70 – 18 | 9, W9 |
| 15.0/70 – 18 | 13.00, W13 |
| 16.0/70 – 20 | 12SDC, 13, 13SDC, 14 |
| 20.0/70 – 20 | 16 |
| 15.0/55 – 17 | 13.00, 13 |
| 19.0/45 – 17 | 16.00 |
| 7.5L – 15 | 5KB, 6LB |
| 8.5L – 14 | 6KB, 8KB |
| 9.5L – 14 | 8KB |
| 9.5L – 15 | BLB |
| 11L – 14 | 8KB |
| 11L – 15 | 8LB, 10LB |
| 11L – 16 | 8LB, W8L, 10LB, W10L |
| 12.5L – 15 | 10LB |
| 12.5L – 16 | W10L, 10LB |
| a For tyres up to 10 PR only. | |
| b For tyres up to 8 PR only. | |

Annex A (informative)

Tyres with nominal rim diameter codes 15.3, 16.1 and tyres for small tractors

The technical data of former standardized tyres with nominal rim diameter codes 15.3, 16.1 and tyres for small tractors are given in [Tables A.1](#) to [A.9](#).

Table A.1 — Agricultural tractor steering wheel tyres (diagonal construction, low section height) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Optional size marking | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | |
|-----------------------|-----------------------|----------------------------|--------------------------------|-------------------------------|-----------------------|---------------------------------------|
| | | | Section width | Overall diameter ^a | Maximum overall width | Maximum overall diameter ^b |
| 14L – 16.1 | 14.0/80-16.1 | 11.00 | 360 | 985 | 392 | 1 031 |
| 16.5L – 16.1 | | 14.00 | 419 | 1 072 | 457 | 1 133 |
| 14.5/75 – 16.1 | | 11.00 | 373 | 940 | 407 | 982 |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of –3 % on design section height.
^b Figures are based on tyres with classification code F-2.

Table A.2 — Agricultural tractor drive wheel tyres (diagonal construction, normal section height) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Optional size marking | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | |
|-----------------------|-----------------------|----------------------------|--------------------------------|-------------------------------|-----------------------|---------------------------------------|
| | | | Section width | Overall diameter ^a | Maximum overall width | Maximum overall diameter ^b |
| 18.4 – 16.1 | - | 16.00 | 467 | 1 137 | 505 | 1 181 |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of –3 % on design section height.
^b Figures are based on tyres with classification code R-1. The tractor manufacturer shall recognize that tyres with deep tread and related increased overall diameter may be used.

Table A.3 — Agricultural implement tyres (diagonal construction, low section height) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | |
|-----------------------|----------------------------|--------------------------------|-------------------------------|-----------------------|--------------------------|
| | | Section width | Overall diameter ^a | Maximum overall width | Maximum overall diameter |
| 13.50 – 16.1 | 11.00 | 353 | 1 021 | 385 | 1 070 |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of –3 % on design section height.

Table A.4 — Agricultural implement tyres (diagonal construction, low section height) — Tyre size designations, measurement rims and dimensions

Dimensions in millimetres

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | | Dimensions in service | | |
|-----------------------|----------------------------|--------------------------------|-------------------------------|------------------|-----------------------|--------------------------|------------------|
| | | Section width | Overall diameter ^a | | Maximum overall width | Maximum overall diameter | |
| | | | Non-traction pattern | Traction pattern | | Non-traction pattern | Traction pattern |
| 10.0/75 – 15.3 | 9.00 | 264 | 760 | 780 | 277 | 779 | 800 |
| 11.5/80 – 15.3 | 9.00 | 290 | 845 | 867 | 305 | 868 | 891 |
| 12.5/80 – 15.3 | 9.00 | 307 | 889 | 911 | 322 | 915 | 937 |
| 10.5/85 – 15.3 | 9.00 | 274 | 792 | 814 | 288 | 812 | 834 |
| 14L – 16.1 | 11.00 | 356 | 940 | – | 388 | 956 | – |
| 19L – 16.1 | 16.00 | 483 | 1 087 | – | 526 | 1 141 | – |
| 16.5L – 16.1 | 14.00 | 419 | 1 024 | – | 457 | 1 075 | – |
| 21.5L – 16.1 | 18.00 | 546 | 1 130 | – | 595 | 1 188 | – |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of –3 % on design section height.

Table A.5 — Traction drive wheel tyres for small tractor

Dimensions in millimetres

| Tyre size designation | Measurement rim width code | Design dimensions of new tyres | | Dimensions in service | |
|-----------------------|----------------------------|--------------------------------|-------------------------------|-----------------------|---------------------------------------|
| | | Section width | Overall diameter ^a | Maximum overall width | Maximum overall diameter ^b |
| 5 – 12 | 4.00 | 127 | 528 | 137 | 542 |
| 6 – 12 | | | 577 | | 593 |
| 6 – 14 | | | 627 | | 167 |
| 6 – 16 | 678 | 701 | | | |
| 7 – 12 | 6.00 | 183 | 640 | 198 | 660 |
| 7 – 14 | | | 691 | | 714 |
| 7 – 16 | | | 742 | | 768 |
| 8 – 16 | 6.00 | 211 | 790 | 228 | 819 |
| 8 – 18 | | | 841 | | 873 |

^a Minimum new tyre overall shall be calculated on the basis of tolerance of –3 % on design section height.

^b Figures are based on tyres with classification code R-1. The tractor manufacturer shall recognize that tyres with deep tread and related increased overall diameter may be used.

Table A.6 — Agricultural implement tyres (low section height — Approved rim contours

| Tyre size designation | Approved rim contours ^a |
|-----------------------|------------------------------------|
| 10.5/85 – 15.3 | 9.00 |
| 11.5/80 – 15.3 | 9.00 |
| 12.5/80 – 15.3 | 9.00 |
| 10.0/75 – 15.3 | 9.00 |
| 14L – 16.1 | 16.1xW11C |
| 16.5L – 16.1 | 16.1xW14C, 16.1xW14CH, |

^a WC-Rim should only be applicable up to 16PR.

Table A.6 (continued)

| Tyre size designation | Approved rim contours ^a |
|------------------------------|--|
| 19L – 16.1 | 16.1xW16C, 16.1xW16CH |
| 21.5L – 16.1 | 16.1xW16C, 16.1xW18C, 16.1xW16CH, 16.1xW18CH |
| 13.50 – 16.1 | 16.1 – W11C |

^a WC-Rim should only be applicable up to 16PR.

Table A.7 — Agricultural tractor drive wheel tyres (normal section height) — Approved rim contours

| Tyre size designation | Approved rim contours ^a |
|------------------------------|---|
| 18.4 – 16.1 | 16.1xW16C, 16.1xW16CH |

^a WC-Rim should only be applicable up to 16PR.

Table A.8 — Agricultural tractor steering wheel tyres (low section height) — Approved rim contours

| Tyre size designation | Approved rim contours ^a |
|------------------------------|---|
| 14L – 16.1 | 16.1xW11C |
| 16.5L – 16.1 | 16.1xW14C, 16.1xW14CH |
| 14.5/75 – 16.1 | 16.1xW11C |

^a WC-Rim should only be applicable up to 16PR.

Table A.9 — Small tractor tyres — Approved rim contours

| Tyre size designation | Approved rim contours |
|------------------------------|------------------------------|
| 5 – 12 | 4JA |
| 6 – 12 | 5JA |
| 6 – 14 | 5KB, 5JA |
| 6 – 16 | 4.50E, 5.50E |
| 7 – 12 | 5JA |
| 7 – 14 | 5JA, 5KB |
| 7 – 16 | 6LB, 6L, 6.00F |
| 8 – 16 | 6LB, 6L, 6.00F |
| 8 – 18 | 5.50F |

Annex B (informative)

Comparison values for rolling circumference (RC), rolling circumference index (RCI), speed radius index (SRI)

Table B.1 — Rolling circumference (RC), rolling circumference index (RCI), speed radius index (SRI)

| Tyre size designation | Rolling circumference (RC) mm | Rolling circumference index (RCI) | Speed radius index (SRI) mm |
|-----------------------|----------------------------------|-----------------------------------|--------------------------------|
| 8.3 - 16 | 2 372 | 30 | 375 |
| 8.3 - 24 | 2 975 | 34 | 475 |
| 8.3 - 38 | 4 024 | 40 | 725 |
| 8.3 - 44 | 4 474 | 42 | 395 |
| 9.5 - 16 | 2 534 | 31 | 400 |
| 9.5 - 22 | 2 987 | 34 | 475 |
| 9.5 - 24 | 3 137 | 35 | 500 |
| 9.5 - 32 | 3 738 | — | 600 |
| 9.5 - 36 | 4 038 | 40 | 650 |
| 9.5 - 38 | 4 188 | — | 670 |
| 9.5 - 42 | 4 487 | 42 | 725 |
| 9.5 - 44 | 4 637 | — | 750 |
| 9.5 - 48 | 4 937 | 44 | 800 |
| 11.2 - 20 | 2 999 | — | 470 |
| 11.2 - 24 | 3 300 | 36 | 525 |
| 11.2 - 28 | 3 601 | 38 | 575 |
| 11.2 - 36 | 4 201 | 41 | 675 |
| 11.2 - 38 | 4 351 | 41 | 700 |
| 11.2 - 42 | 4 651 | — | 750 |
| 12.4 - 16 | 2 855 | 33 | 450 |
| 12.4 - 24 | 3 462 | 37 | 550 |
| 12.4 - 28 | 3 764 | — | 600 |
| 12.4 - 32 | 4 064 | 40 | 650 |
| 12.4 - 36 | 4 364 | 41 | 700 |
| 12.4 - 38 | 4 514 | 42 | 725 |
| 12.4 - 42 | 4 814 | 43 | 775 |
| 13.6 - 16 | 3 001 | 34 | 475 |
| 13.6 - 24 | 3 611 | 38 | 575 |
| 13.6 - 26 | 3 762 | — | 600 |
| 13.6 - 28 | 3 912 | 39 | 625 |
| 13.6 - 36 | 4 513 | — | 725 |
| 13.6 - 38 | 4 663 | 43 | 750 |

Table B.1 (continued)

| Tyre size designation | Rolling circumference (RC) mm | Rolling circumference index (RCI) | Speed radius index (SRI) mm |
|------------------------------|---|--|---------------------------------------|
| 13.6 – 46 | 5 263 | 45 | 825 |
| 13.6 – 48 | 5 413 | — | 870 |
| 14.9 – 24 | 3 773 | 39 | 600 |
| 14.9 – 26 | 3 924 | 39 | 625 |
| 14.9 – 28 | 4 075 | 40 | 650 |
| 14.9 – 30 | 4 226 | 41 | 675 |
| 14.9 – 38 | 4 827 | 43 | 775 |
| 15.5 – 38 | 4 674 | 43 | 750 |
| 16.9 – 24 | 3 967 | — | 625 |
| 16.9 – 26 | 4 119 | 40 | 650 |
| 16.9 – 28 | 4 271 | 41 | 675 |
| 16.9 – 30 | 4 422 | 42 | 700 |
| 16.9 – 34 | 4 723 | 43 | 750 |
| 16.9 – 38 | 5 024 | 44 | 800 |
| 18.4 – 24 | 4 159 | — | 650 |
| 18.4 – 26 | 4 311 | 41 | 675 |
| 18.4 – 28 | 4 463 | 42 | 700 |
| 18.4 – 30 | 4 615 | — | 725 |
| 18.4 – 34 | 4 917 | 44 | 775 |
| 18.4 – 38 | 5 218 | 45 | 825 |
| 18.4 – 42 | 5 518 | 46 | 875 |
| 18.4 – 46 | 5 818 | 47 | 925 |
| 20.8 – 34 | 5 144 | — | 825 |
| 20.8 – 38 | 5 446 | 46 | 875 |
| 20.8 – 42 | 5 747 | 47 | 925 |
| 23.1 – 26 | 4 754 | 43 | 750 |
| 23.1 – 30 | 5 060 | 44 | 800 |
| 23.1 – 34 | 5 364 | 45 | 825 |
| 24.5 – 32 | 5 344 | 45 | 850 |
| 17.5L – 24 | 3 771 | 39 | 600 |
| 19.5L – 24 | 3 983 | 40 | 625 |
| 21L – 24 | 4 166 | — | 650 |
| 28L – 26 | 4 786 | 43 | 750 |
| 30.5L – 32 | 5 388 | — | 875 |
| VA30.5L – 32 | 5 388 | — | 875 |
| VA35.5L – 32 | 5 853 | 47 | 925 |
| DH35.5L – 32 | 5 853 | 47 | 925 |

Bibliography

- [1] ISO 3965, *Agricultural wheeled tractors — Maximum speeds — Method of determination*
- [2] ISO 4251-2, *Tyres (ply rating marked series) and rims for agricultural tractors and machines — Part 2: tyre load ratings*
- [3] ISO 4251-3, *Tyres (ply rating marked series) and rims for agricultural tractors and machines — Part 3: Rims*
- [4] ISO 4251-4, *Tyres (ply rating marked series) and rims for agricultural tractors and machines — Part 4: Tyre classification and nomenclature*
- [5] ISO 4251-5, *Tyres (ply rating marked series) and rims for agricultural tractors and machines — Part 5: Logging and forestry service tyres*
- [6] ISO 13442, *Tyres and rims for construction machines*
- [7] ISO 18804²⁾, *Rims for agricultural, forestry and construction machines*
- [8] ISO 18807³⁾, *Tyres and rims for logging and forestry service*

2) To be published.

3) To be published.

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389 Chiswick High Road London W4 4AL UK