
**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*

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Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Marking	1
4.1 Tyre size designation	1
4.2 Load rating	2
4.3 Categories of use	2
4.3.1 Agricultural drive wheels — Tractor tyres	2
4.3.2 Agricultural steering wheels — Tractor tyres	2
4.3.3 Agricultural implement tyres	2
4.4 Additional information	2
4.5 Pictogram for maximum tyre bead seating pressure (optional)	3
5 Dimensions and tolerances	3
5.1 Agricultural drive wheels — Tractor tyres	3
5.2 Agricultural steering wheels — Tractor tyres	4
5.3 Agricultural implement tyres	4
6 Tyre dimension parameters for vehicle speed reference	4
6.1 Speed radius index	4
6.2 Rolling circumference index	4
7 Tyre and rim coordination	4
8 Tubes	4
Annex A (informative) Tyres with nominal rim diameter codes 15.3, 16.1 and tyres for small tractors	16
Annex B (informative) Comparison values for rolling circumference (RC), rolling circumference index (RCI), speed radius index (SRI)	19
Bibliography	21

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).

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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.

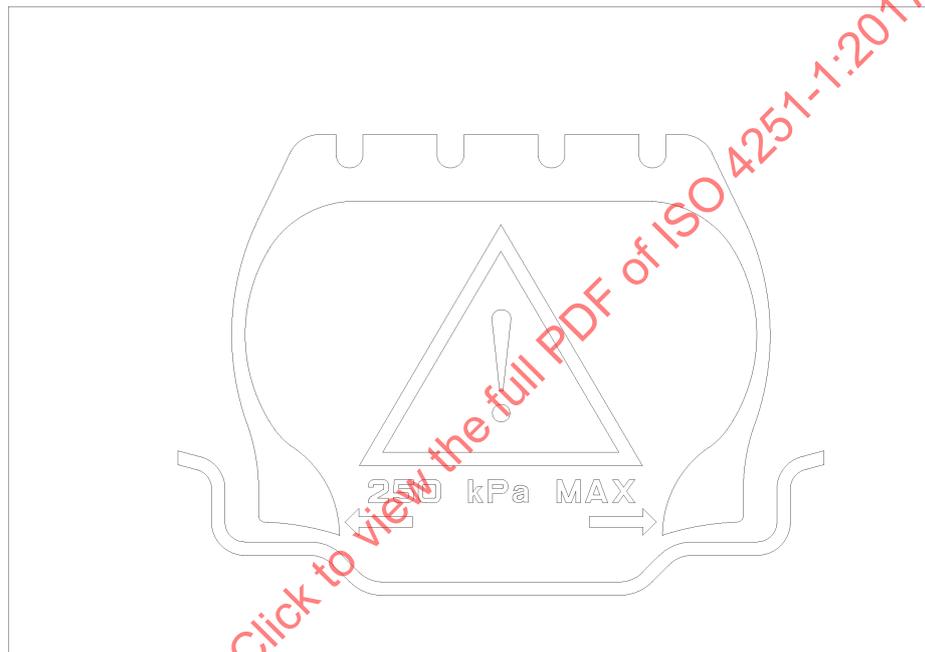


Figure 1 — Pictogram for the maximum bead seating inflation pressure

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

- [Table 1](#) for tyres of diagonal construction with normal section height;
- [Table 2](#) for tyres of diagonal construction with low section height;
- [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	3.00	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	4.50	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		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		193	734	210	763
8.25 – 16	6.00	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	1 132
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, 10LB ^a
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	8LB
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.