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Item 7(e) of the provisional agenda

Tyres – Regulation No. 106

Proposal for a new Resolution on Tyre Sizes

Submitted by the experts from the European Tyre and Rim Technical Organisation*

The text reproduced below was prepared by the experts from the European Tyre and Rim Technical Organisation (ETRTO) proposing a new Resolution on Tyre Sizes.

* In accordance with the programme of work of the Inland Transport Committee for 2016–2017 (ECE/TRANS/254, para. 159 and ECE/TRANS/2016/28/Add.1, cluster 3.1), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

GE.16-11734(E)



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Resolution on Tyre Sizes

I. Preamble

The World Forum for Harmonization of Vehicle Regulations,

Desiring to establish the greatest uniformity in the regulations, rules and recommendations relating to tyres, to improve road safety and the protection of the environment, and to facilitate international road traffic and trade in vehicles and their equipment and parts,

Bearing in mind that the provisions of the Agreement concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts, which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions, done at Geneva on 20 March 1958 ("1958 Agreement") provides possibilities for harmonization,

Recommends Governments, in order to eliminate divergences as far as possible, to align their domestic legislation with the recommendations of this Resolution on Tyre Sizes and, applying them forthwith to the fullest extent possible.

II. Theoretical rim, outer diameter and nominal section width of tyres of certain size designations

Table 1 (1 of 2)

Agricultural steering wheels - Normal and low Section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal width (S1) (mm)	Overall diameter (D) (mm)	Nominal width (d) (mm)
4.00 - 9	3	112	460	229
4.00 - 12	3	112	535	305
4.00 - 15	3	112	610	381
4.00 - 16	3	112	630	406
4.00 - 19	3	112	712	483
4.50 - 10	3	121	505	254
4.50 - 16	3	122	655	406
4.50 - 19	3	122	736	483
5.00 - 10	3	130	530	254
5.00 - 12	3	130	580	305
5.00 - 15	4	140	655	381
5.00 - 16	4	140	680	406
5.50 - 16	4	150	710	406
6.00 - 14	5	169	688	356
6.00 - 16	4.5	165	735	406
6.00 - 18	4	160	790	457
6.00 - 19	4.5	165	814	483
6.00 - 20	4.5	165	840	508
6.50 - 10	4.5	175	608	254
6.50 - 16	4.5	175	760	406
6.50 - 20	4.5	175	865	508
7.50 - 16	5.5	205	805	406

7.50 - 18	5.5	205	860	457
7.50 - 20	5.5	205	915	508
8.00 - 16	5.5	211	813	406
9.00 - 16	6	234	855	406
9.50 - 20	7	254	978	508
10.00 - 16	8	274	895	406
11.00 - 16	10	315	965	406
11.00 - 24	10	315	1 170	610

Table 1 (2 of 2)

Agricultural steering wheels - Normal and low section sizes

<i>Tyre size designation</i>	<i>Theoretical rim width code (A1)</i>	<i>Nominal width (S1) (mm)</i>	<i>Overall diameter (D) (mm)</i>	<i>Nominal width (d) (mm)</i>
Low Section				
7.5L - 15	6	210	745	381
8.25/85 - 15	6	210	745	381
9.5L - 15	8	240	785	381
9.5/85 - 15	8	240	785	381
11L - 15	8	280	815	381
11.5/75 - 15	8	280	815	381
7.5L - 16	6	208	746	406
11L - 16	8	279	840	406
14L - 16.1	11	360	985	409
14.0/80 - 16.1	11	360	985	409
14.5/75 - 16.1	11	373	940	409
16.5L - 16.1	14	419	1 072	409

Notes:

1. Agricultural steering wheels tyres are identified either by suffix "Front" placed after the Tyre size designation (e.g. 4.00 - 9 Front) or by one of the following additional markings added to the Tyre sidewalls: "F - 1" or "F - 2" or "F - 3".
2. Tyres of radial structure are identified by means of the letter "R" in place of " - " (e.g. 4.00R9)

Table 2 (1 of 5)
Drive wheel tyres for agricultural tractors - Normal section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)		Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
		Radial	Diagonal	Radial	Diagonal	
4.00-7	3		112		410	178
4.00-8	3		112		435	203
4.00-9	3		112		460	229
4.00-10	3		112		485	254
4.00-12	3		112		535	305
4.00-18	3		112		690	457
4.50-10	3		121		505	254
5.0 -10	4		135		505	254
5.00-10	3		130		530	254
5.00-12	4		145		580	305
5.00-15	4		145		645	381
6.00-12	4		160		635	305
6.00-16	4		160		735	406
6.5-15	5		167		685	381
6.50-16	5		175		760	406
7.50-18	5.5		205		860	457
8.00-20	6		220		965	508
5-12	4		127		545	305
5-14	4		127		595	356
5-26	4		127		900	660
6-10	5		157		550	254
6-12	5		157		600	305
6-14	5		157		650	356
7-14	5		173		690	356
7-16	6		183		740	406
8-16	6		201		790	406
8-18	7		211		840	457
7.2-20	6		183		845	508
7.2-24	6		183		945	610
7.2-30	6		183		1 095	762
7.2-36	6		183		1 250	914
7.2-40	6		183		1 350	1 016
8.3-16	7		211		790	406

Table 2 (2 of 5)
Drive wheel tyres for agricultural tractors - Normal section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)		Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
		Radial	Diagonal	Radial	Diagonal	
8.3-20	7		211		890	508
8.3-22	7		211		940	559
8.3-24	7	211	211	985	995	610
8.3-26	7		211		1 045	660
8.3-28	7		211		1 095	711
8.3-32	7	211	211	1 190	1 195	813
8.3-36	7	211	211	1 290	1 300	914
8.3-38	7		211		1 350	965
8.3-42	7	211	211	1 440	1 450	1 067
8.3-44	7	211	211	1 495	1 500	1 118
9.5-16	8		241		845	406
9.5-18	8		241		895	457
9.5-20	8	241	241	940	945	508
9.5-22	8		241		995	559
9.5-24	8	241	241	1 040	1 050	610
9.5-26	8		241		1 100	660
9.5-28	8	241		1 140		711
9.5-32	8		241		1 250	813
9.5-36	8	241	241	1 345	1 355	914
9.5-38	8		241		1 405	965
9.5-42	8		241		1 505	1 067
9.5-44	8	241	241	1 550	1 555	1 118
9.5-48	8	241	241	1 650	1 655	1 219

Table 2 (3 of 5)
Drive wheel tyres for agricultural tractors - Normal section sizes

Tyre size designation	Theoretical rim width code (AI)	Nominal section width (S1) (mm)		Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
		Radial	Diagonal	Radial	Diagonal	
11.2-18	10		284		955	457
11.2-20	10	284	284	995	1 005	508
11.2-24	10	284	284	1 095	1 105	610
11.2-26	10		284		1 155	660
11.2-28	10	284	284	1 200	1 205	711
11.2-36	10	284	284	1 400	1 410	914
11.2-38	10	284	284	1 455	1 460	965
11.2-42	10	284		1 555		1 067
11.2-44	10	284		1 610		1 118
11.2-48	10	284		1 710		1 219
12.4-16	11		315		956	406
12.4-20	11	315		1 045		508
12.4-24	11	315	315	1 145	1 160	610
12.4-26	11		315		1 210	660
12.4-28	11	315	315	1 250	1 260	711
12.4-30	11		315		1 310	762
12.4-32	11	315	315	1 350	1 360	813
12.4-36	11	315	315	1 450	1 465	914
12.4-38	11	315	315	1 500	1 515	965
12.4-42	11		315		1 615	1 067
12.4-46	11	315		1 705		1 168
12.4-52	11	315		1 860		1 321
13.6-16	12		345		1 005	406
13.6-24	12	345	345	1 190	1 210	610
13.6-26	12	345	345	1 260	1 260	660
13.6-28	12	345	345	1 295	1 310	711
13.6-36	12	345	345	1 500	1 515	914
13.6-38	12	345	345	1 550	1 565	965
13.6-48	12	345		1 805		1 219
13.9-36	12		353		1 478	965
14.9/80-24	12		368		1 215	610
14.9-20	13		378		1 165	508
14.9-24	13	378	378	1 245	1 265	610
14.9-26	13	378	378	1 295	1 315	660
14.9-28	13	378	378	1 350	1 365	711
14.9-30	13	378	378	1 400	1 415	762

Table 2 (4 of 5)

Drive wheel tyres for agricultural tractors - Normal section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)		Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
		Radial	Diagonal	Radial	Diagonal	
14.9-38	13	378	378	1 600	1 615	965
14.9-46	13	378		1 824		1 168
15.5-38	14	394	394	1 565	1 570	965
16.9-24	15	429	429	1 320	1 335	610
16.9-26	15	429	429	1 370	1 385	660
16.9-28	15	429	429	1 420	1 435	711
16.9-30	15	429	429	1 475	1 485	762
16.9-34	15	429	429	1 575	1 585	864
16.9-38	15	429	429	1 675	1 690	965
16.9-42	15	429		1 775		1 067
18.4-16.1	16		467		1 137	409
18.4-24	16	467	467	1 395	1 400	610
18.4-26	16	467	467	1 440	1 450	660
18.4-28	16	467	467	1 490	1 501	711
18.4-30	16	467	467	1 545	1 550	762
18.4-34	16	467	467	1 645	1 650	864
18.4-38	16	467	467	1 750	1 750	965
18.4-42	16	467	467	1 850	1 850	1 067
18.4-46	16	467		1 958		1 168

Table 2 (5 of 5)

Drive wheel tyres for agricultural tractors - Normal and low section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)		Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
		Radial	Diagonal	Radial	Diagonal	
20.8-34	18	528	528	1 735	1 735	864
20.8-38	18	528	528	1 835	1 835	965
20.8-42	18	528	528	1 935	1 935	1 067
23.1-26	20	587	587	1 605	1 605	660
23.1-30	20	587	587	1 700	1 705	762
23.1-34	20	587	587	1 800	1 805	864
24.5-32	21	622	622	1 800	1 805	813
Low section height						
7.5L-15	6		210		745	381
14.9LR-20	13	378		1 100		508
17.5L-24	15	445	445	1 241	1 265	610
19.5L-24	17	495	495	1 314	1 339	610
21L-24	18		533		1 402	610
28.1-26	25		714		1 615	660
28L-26	25	719	714	1 607	1 615	660
30.5L-32	27	775	775	1 820	1 820	813

Notes:

1. The Tyre size designation may be supplemented by an additional figure: ex: 23.1/18 26 instead of 23.1 - 26.
2. Tyres of radial structure are identified by means of the letter "R" in place of " - " (e.g. 23.1R26).
3. Coefficient for the calculation of the overall width: +8 per cent.

Table 3
Drive wheel tyres for agricultural tractors - Low section series

<i>Tyre size designation</i>	<i>Theoretical rim width code (AI)</i>	<i>Nominal section width (SI) (mm)</i>	<i>Overall diameter (D) (mm)</i>	<i>Nominal rim diameter (d) (mm)</i>
11.2/78-28	10	296	1 180	711
12.4/78-28	11	327	1 240	711
12.4/78-36	11	327	1 440	914
13.6/78-28	12	367	1 285	711
13.6/78-36	12	367	1 490	914
14.9/78-28	13	400	1 345	711
16.9/78-28	15	452	1 410	711
16.9/78-30	15	452	1 460	762
16.9/78-34	15	452	1 560	864
16.9/78-38	15	452	1 665	965
18.4/78-30	16	490	1 525	762
18.4/78-38	16	490	1 730	965

Table 4
Drive wheel tyres for agricultural tractors - Low section series

<i>Tyre size designation</i>	<i>Theoretical rim width code (A1)</i>	<i>Nominal section width (S1) (mm)</i>	<i>Overall diameter (D) (mm)</i>	<i>Nominal rim diameter (d) (mm)</i>
300/70R20	9	295	952	508
320/70R20	10	319	982	508
320/70R24	10	319	1 094	610
320/70R28	10	319	1 189	711
360/70R20	11	357	1 042	508
360/70R24	11	357	1 152	610
360/70R28	11	357	1 251	711
380/70R20	12	380	1 082	508
380/70R24	12	380	1 190	610
380/70R28	12	380	1 293	711
420/70R24	13	418	1 248	610
420/70R28	13	418	1 349	711
420/70R30	13	418	1 398	762
480/70R24	15	479	1 316	610
480/70R26	15	479	1 372	660
480/70R28	15	479	1 421	711
480/70R30	15	479	1 478	762
480/70R34	15	479	1 580	864
480/70R38	15	479	1 681	965
520/70R26	16	516	1 456	660
520/70R30	16	516	1 536	762
520/70R34	16	516	1 640	864
520/70R38	16	516	1 749	965
580/70R38	18	577	1 827	965

Table 5 (1 of 3)
Agricultural implement tyres - Normal section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)	Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
				(*)	
125 - 15 IMP	3.5	127	590		381
140 - 6 IMP	4.5	135	315		152
165 - 15 IMP	4.5	167	650		381
190-8 IMP	5.50	182	430		203
2.50 - 4 IMP	1.75	68	225		102
2.75 - 4 IMP	1.75	70	234		102
2.50 - 8 IMP	1.5	68	338		203
3.00 - 4 IMP	2.5	90	265		102
3.00 - 8 IMP	2.5	90	367		203
3.00 - 10 IMP	2.5	90	418		254
3.25 - 8 IMP	2.10	84	366		203
3.25 - 16 IMP	1.85	88	590		406
3.50 - 5 IMP	3	95	292		127
3.50 - 6 IMP	2.5	100	343		152
3.50 - 8 IMP	2.5	100	393		203
3.50 - 16 IMP	1.85	92	590		406
4.00 - 4 IMP	3	114	313		102
4.00 - 5 IMP	3	102	310		127
4.00 - 6 IMP	3	114	374		152
4.00 - 8 IMP	3	112	418	425	203
4.00 - 9 IMP	3	112	443	460	229
4.0 - 10 IMP	3	114	455	465	254
4.00 - 10 IMP	3	114	465	475	254
4.00 - 12 IMP	3	112	519	536	305
4.00 - 15 IMP	3	112	595	612	381
4.00 - 16 IMP	3	114	618		406
4.00 - 18 IMP	3	112	672	688	457
4.00 - 19 IMP	3	114	694		483
4.00 - 21 IMP	3	112	765		533
4.00/4.50 - 21 IMP	3	110	765		533
4.10 - 4 IMP	3.25	102	268		102
4.10 - 6 IMP	3.25	102	319		152
4.10/3.50-4 IMP	2.10	89	272		101
4.50 - 9 IMP	3	124	466		229
4.50 - 14 IMP	3	124	593		356
4.50 - 16 IMP	3	123	647		406
4.50 - 19 IMP	3	124	720	733	483
4.80 - 8 IMP	3.75	121	423	449	203
5.00 - 8 IMP	4	145	467		203

Table 5 (2 of 3)

Agricultural implement tyres - Normal section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)	Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
				(*)	
5.00 - 9 IMP	3.5	141	497		229
5.0 - 10 IMP	4	145	505	517	254
5.0 - 12 IMP	4	145	566		305
5.00 - 12 IMP	4	145	567	580	305
5.00 - 14 IMP	4	145	618	631	356
5.0 - 15 IMP	4	145	642		381
5.00 - 15 IMP	3	130	639	655	381
5.00 - 16 IMP	4	145	669		406
5.00/5.25 - 21 IMP	3	136	824		533
5.50 - 16 IMP	4	150	685	703	406
5.70 - 12 IMP	4.5	146	570		305
5.70 - 15 IMP	4.5	146	647		381
5.90 - 15 IMP	4	150	665	681	381
6 - 6 IMP	4	145	425		152
6.00 - 9 IMP	4.5	169	543	556	229
6 - 12 IMP	5	145	585		305
6.0 - 12 IMP	5	155	569		305
6.00 - 12 IMP	5	152	579		305
6.00 - 16 IMP	4	158	712	729	406
6.00 - 19 IMP	4.5	169	810		483
6.00 - 20 IMP	4.5	169	830		508
6.40 - 15 IMP	4.5	163	684		381
6.5 - 15 IMP	5	163	674		381
6.50 - 10 IMP	5	178	597		254
6.50 - 16 IMP	4.5	173	735	754	406
6.50 - 20 IMP	5	176	850		508
6.70 - 15 IMP	4.5	182	704	720	381
6.90 - 9 IMP	5.5	175	545		229
7.00 - 12 IMP	5	187	667	685	305
7.00 - 14 IMP	5	170	691		356
7.00 - 15 IMP	5.5	200	744		381
7.00 - 16 IMP	5.5	200	769		406
7.00 - 18 IMP	5.5	200	820		457
7.00 - 19 IMP	5.5	200	845		483
7.50 - 10 IMP	6	214	634	649	254
7.50 - 14 IMP	5.5	194	686		356
7.50 - 15 IMP	6	215	808		381
7.50 - 16 IMP	5.5	202	785	801	406
7.50 - 18 IMP	5.5	202	836	852	457

Table 5 (3 of 3)
Agricultural implement tyres - Normal section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)	Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
				(*)	
7.50 – 20 IMP	5.5	202	887	903	508
7.50 – 24 IMP	5.5	202	989	1013	610
7.60 – 15 IMP	5.5	193	734	751	381
8 - 16 IMP	6	211	795		406
8.00 – 6 IMP	7	203	452		152
8.00 - 12 IMP	5	214	710		305
8.00 – 16 IMP	6	206	808		406
8.00 - 19 IMP	6	214	888		483
8.00 - 20 IMP	6	214	945		508
8.25 - 15 IMP	6.5	237	835		381
8.25 - 16 IMP	6	229	832		406
8.25 - 20 IMP	6	229	934		508
9.00 - 10 IMP	6	234	696		254
9.00 - 13 IMP	5.5	247	814		330
9.00 - 15 IMP	5.5	247	850		381
9.00 - 16 IMP	6	234	848		406
9.00 - 24 IMP	8	272	1 094		610
10.00 - 12 IMP	6.5	262	790		305
10.00 - 15 IMP	8	274	853		381
10.00 - 16 IMP	8	274	895		406
10.50 - 16 IMP	6.5	280	955		406
11.00 - 12 IMP	6.5	277	835		305
11.00 - 16 IMP	6.5	277	937		406
11.0 - 20 IMP	9	285	950		508
11.25 - 24 IMP	10	325	1 171		610
11.25 - 28 IMP	10	325	1 273		711
11.5 - 24 IMP	10	305	1 070		610
13.50 – 16.1 IMP	11	353	1021	1043	409
14.0 - 24 IMP	12	370	1 170		610
15.0 - 24 IMP	13	400	1 210		610
15.0 - 28 IMP	13	400	1 310		711
17.0 - 28 IMP	15	455	1 390		711
17.0 - 30 IMP	15	455	1 440		762
18.5 - 34 IMP	16	490	1 600		864
20 - 20 IMP	14	520	1 270		508

Notes:

1. The suffix "IMP" may be replaced by the wording "IMPLEMENT" on the tyre sidewall.
2. Tyres of radial structure are identified by means of the letter "R" in place of "-" (e.g. 7.5 L R 15).
3. Overall diameters (D) in column (*) apply to tyres marked with classification code "I-3" – see paragraph 3.1.8.2. of this Regulation.

Table 6 (1 of 3)
Agricultural implement tyres - Low section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)	Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
				(*)	
7.5 L - 15 IMP	6	210	745		381
8.5L - 14 IMP	6	216	721	735	356
9.5L - 14 IMP	7	241	741	757	356
9.5L - 15 IMP	7	241	767	782	381
11L - 14 IMP	8	279	752	770	356
11L - 15 IMP	8	279	777	796	381
11L - 16 IMP	8	279	803	821	406
12.5L - 15 IMP	10	318	823	845	381
12.5L - 16 IMP	10	318	848	870	406
14L - 16.1 IMP	11	356	940		409
16.5L - 16.1 IMP	14	419	1024	1046	409
19 L - 16.1 IMP	16	483	1 087		409
21.5 L - 16.1 IMP	18	546	1 130		409

Notes:

1. The suffix "IMP" may be replaced by the wording "IMPLEMENT" on the Tyre sidewall.
2. Tyres of radial structure are identified by means of the letter "R" in place of " - " (e.g. 7.5 LR 15).

Table 6 (2 of 3)
Agricultural implement tyres - Low section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)	Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
				(*)	
205/50 - 10 IMP	7	211	450		254
19.0/45 - 17 IMP	16	491	866		432
15.0/55 - 17 IMP	13	391	850	872	432
10.5/65 - 16 IMP	9	274	755		406
11.0/60 - 16 IMP	9	281	742		406
11.0/65 - 12 IMP	9	281	670	692	305
13.0/65 - 18 IMP	11	336	890		457
13.0/70 - 16 IMP	11	337	890		406
14.0/65 - 16 IMP	11	353	870		406
9.0/70 - 16 IMP	7	226	725		406
11.5/70 - 16 IMP	9	290	815		406
11.5/70 - 18 IMP	9	290	865		457
15.0/70 - 18 IMP	13	391	990		457
16.0/70 - 20 IMP	14	418	1075	1097	508
16.5/70 - 22.5 MP	13	417	1 158		572
20.0/70 - 508 IMP	16	508	1 220		508
8.0/75 - 15 IMP	6.5	199	710		381
9.0/75 - 16 IMP	7	226	749	770	406
10.0/75 - 12 IMP	9	264	685		305
10.0- 15.3 IMP	9	258	785		389
10.0/75 - 15.3 IMP	9	264	760	780	389
10.0/75 - 16 IMP	9	264	805		406
12.0/75 - 18 IMP	9	299	915	937	457
13.0/75 - 16 IMP	11	336	900		406
13.5/75 - 430.9 MP	11	345	945		431
14.5/75 - 20 IMP	12	372	1 060		508
6.5/80 - 12 IMP	5	163	569	588	305
6.5/80 - 15 IMP	5	163	645	663	381
8.50 - 12 IMP	7	235	715		305
10.0/80 - 12 IMP	9	264	710	730	305
10 - 18 IMP	9	260	875		457
10.5/80 - 18 IMP	9	274	885	907	457
11.5/80 - 15.3 IMP	9	290	845	867	389
11.5/80 - 15.3 IMP	9	290	845		389
12.5/80 - 15.3 IMP	9	307	889		389
12.5/80 - 18 IMP	9	308	965	987	457
14.5/80 - 18 IMP	12	372	1060	1082	457

Table 6 (3 of 3)
Agricultural implement tyres - Low section sizes

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)	Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
				(*)	
15.5/80 - 24 IMP	13	394	1240	1262	610
17.0/80 - 508 IMP	13	426	1200		508
19.5/80 - 20 IMP	16	499	1300		508
21.0/80 - 20 IMP	16	525	1362		508
5.5/85 - 9 IMP	4	145	475		229
10.5/85 - 15.3 IMP	9	274	792		389
13.5/85 - 28 IMP	11	345	1293		711
16.5/85 - 24 IMP	13	417	1322	1344	610
16.5/85 - 28 IMP	13	417	1423	1445	711

Notes:

1. The suffix "IMP" may be replaced by the wording "IMPLEMENT" on the Tyre sidewall.
2. Tyres of radial structure are identified by means of the letter "R" in place of " - " (e.g. 205/50R10).
3. Overall diameters (D) in column (*) apply to tyres marked with classification code "I-3" – see paragraph 3.1.8.2. of this Regulation.

Table 7 (1 of 4)
Agricultural high flotation tyres

<i>Tyre size designation</i>	<i>Theoretical rim width code (A1)</i>	<i>Nominal section width (S1) (mm)</i>	<i>Overall diameter (D) (mm)</i>	<i>Nominal rim diameter (d) (mm)</i>
9x3.50 - 4	2.75	91	229	101
11x4.00 - 4	3.25	102	280	101
11x4.00 - 5	3	104	272	127
11x7 - 4	6	185	270	101
12x4.00 - 5	3	112	298	127
13x5.00 - 6	3.5	122	320	152
13x6.00-6	5	154	330	152
13x6.00 - 8	5	154	330	203
13x6.50 - 6	5	163	330	152
14x4.50-6	3.5	113	356	152
14x5.00 - 6	4	127	347	152
14x6.00 - 6	4.5	157	340	152
15x6.00 - 6	4.5	155	366	152
16x4.50 - 9	3	105	405	229
16x5.50 - 8	4.25	142	414	203
16x6.50 - 8	5.375	165	405	203
16x7.50 - 8	5.375	188	411	203
17x8.00 - 8	7	203	438	203
17x8.00 - 12	7	203	432	305
18x6.50 - 8	5	163	457	203
18x7.00 - 8	5.5	178	450	203
18x7.50-8	6	191	457	203
18x8.50 - 8	7	214	450	203
18x9.50 - 8	7	235	462	203
19x9.50-8	7.5	240	483	203
19x7.50 - 8	5.5	180	480	203
19x8.00 - 10	7	203	483	254
19x10.00 - 8	8.5	254	483	203
20x8.00-8	6.5	204	508	203
20x8.00 - 10	7	203	500	254
20x9.00-8	7	227	508	203
20x10.00 - 8	8	254	508	203
20x10.00 - 10	8.5	254	508	254
20.5x8.00 - 10	6	208	526	254
21x7.00-10	5.5	177	533	254
21x8.00 - 10	7	203	525	254
21x11.00 - 8	8.5	282	518	203
21x11.00 - 10	9	279	525	254
22x8.00 - 10	6	196	556	254
22x8.50 - 12	7	216	551	305
22x10.00 - 8	7	244	572	203
22x10.00 - 10	8.5	254	559	254

Table 7 (2 of 4)
Agricultural high flotation tyres

<i>Tyre size designation</i>	<i>Theoretical rim width code (A1)</i>	<i>Nominal section width (S1) (mm)</i>	<i>Overall diameter (D) (mm)</i>	<i>Nominal rim diameter (d) (mm)</i>
22x11.00 - 8	8.5	284	546	203
22x11.00 - 10	8.5	254	559	254
23x8.50 - 12	7	214	575	305
23x9.00 - 12	7.5	229	575	305
23x9.50-12	7	235	577	305
23x10.50 - 12	8.5	264	579	305
24x8.50 - 12	7	213	602	305
24x8.50 - 14	7	213	602	356
24x11.00 - 10	8.5	254	607	254
24x12.00-12	9.5	304	610	305
24x13.00 - 12	10.5	325	592	305
25x7.50 - 15	5.5	191	640	381
25x8.00-12	6.5	203	635	305
25x8.50 - 14	7	213	645	356
25x10.00-12	8	254	635	305
25x10.50 - 15	8	267	640	381
25x11.00-12	9	279	635	305

Table 7 (3 of 4)
Agricultural high flotation tyres

<i>Tyre size designation</i>	<i>Theoretical rim width code (A1)</i>	<i>Nominal section width (S1) (mm)</i>	<i>Overall diameter (D) (mm)</i>	<i>Nominal rim diameter (d) (mm)</i>
25x12.00 - 9	10	305	635	229
25x12.50 - 15	10	310	640	381
26x10.00 - 12	10	310	660	305
26x12.00 - 12	10	310	660	305
26x14.00 - 12	12	356	660	305
27x8.50 - 15	7	214	680	381
27x9.50 - 15	7	229	686	381
27x10.50 - 15	8.5	259	691	381
27x10 - 15.3	9	261	685	389
28x9.00 - 15	7	234	710	381
28x13 - 15	11.5	330	711	381
29x12.00 - 15	10	310	742	381
29x12.50 - 15	10	310	742	381
29x13.50 - 15	10	351	742	381
31x11.50 - 15	8	301	793	381
31x12.50 - 15	10	310	792	381
31x13.50 - 15	10	351	782	381
31x13.5 - 15	10	351	782	381
31x15.50 - 15	13	391	792	381
31x15.5 - 15	13	391	792	381
33x12.50 - 15	10	310	843	381
33x15.50 - 15	13	391	843	381
36x13.50 - 15	10	351	909	381
38x14.00 - 20	11	356	991	508
38x18.00 - 20	14	457	991	508
38x20.00 - 16.1	16	488	991	409
41x14.00 - 20	11	356	1 067	508
42x25.00 - 20	20.5	622	1 080	508
43x13.50 - 22	10	360	1 102	559
44x18.00 - 20	14	457	1 143	508
44x41.00 - 20	36	991	1 143	508
48x20.00 - 24	15	457	1 245	610
48x25.00 - 20	20.5	635	1 245	508
48x31.00 - 20	26	775	1 245	508
54x31.00 - 26	26	775	1 397	660

Table 7 (4 of 4)
Agricultural high flotation tyres

<i>Tyre size designation</i>	<i>Theoretical rim width code (A1)</i>	<i>Nominal section width (S1) (mm)</i>	<i>Overall diameter (D) (mm)</i>	<i>Nominal rim diameter (d) (mm)</i>
66x43.00 - 25	36	1 054	1 702	635
66x43.00 - 26	36	1 054	1 702	660
66x44.00 - 25	36	1 118	1 702	635
67x34.00 - 25	30	864	1 727	635
67x34.00 - 26	30	864	1 727	660
67x34.00 - 30	30	864	1 727	762
68x50.00 - 32	44	1 270	1 753	813
VA73x44.00 - 32	36	1 118	1 880	813
DH73x44.00 - 32	36	1 118	1 880	813
DH73x50.00-32	44	1270	1880	813

Notes:

1. These Tyres may be classified in categories of use "Tractor Drive Wheels" or "Implement".
2. Implement Tyres are identified either by suffix "IMP" placed after the Tyre size designation (e.g. 11x4.00 - 4 IMP) or by the word "IMPLEMENT" marked on the Tyre sidewalls.
3. Tyres of radial structure are identified by means of the letter "R" in place of " - " (e.g. 11x4.00 R 4).
4. Coefficient "b" for the calculation of the Overall diameter Dmax:
 - (a) 1.12 for tyres with Nominal rim Diameter (d) less than 380 mm;
 - (b) 1.10 for tyres with Nominal rim Diameter (d) 381 mm and above.

Table 8
Forestry Tyres – Code Designated sizes

<i>Tyre size designation</i>	<i>Theoretical rim width code (A1)</i>	<i>Nominal section width (S1) (mm)</i>	<i>Overall diameter (D) (mm)</i>	<i>Nominal rim diameter (d) (mm)</i>
23.1-26 LS	20	587	1632	660
24.5-32 LS	21	622	1831	813
28L-26 LS	25	714	1644	660
30.5L-32 LS	27	775	1847	813
35.5L-32 LS	31	902	2011	813

Notes:

1. Forestry Tyres are identified by suffix "LS-2" or "LS-3" placed after the Tyre size designation (e.g. 30.5L- 32 LS-2).
2. Tyres of radial structure are identified by means of the letter "R" in place of "-" (e.g. 30.5LR32 LS).

Table 9
Tyres for construction applications (industrial tractors)

Tyre size designation	Theoretical rim width code (A1)	Nominal section width (S1) (mm)		Overall diameter (D) (mm)		Nominal rim diameter (d) (mm)
		Radial	Diagonal	Radial	Diagonal	
14.9-24	13	378	378	1 245	1 240	610
14.9-28	13	378	378	1 350	1 345	711
16.9-24	15	429	429	1 320	1 310	610
16.9-28	15	429	429	1 420	1 410	711
16.9-34	15		429		1 560	864
17.5L-24	15	445	445	1 250	1 241	610
18.4-24	16	467	467	1 395	1 375	610
18.4-26	16		467		1 425	660
18.4-28	16	467	467	1 490	1 477	711
18.4-30	16		467		1 525	762
19.5L-24	17	495	495	1 320	1 314	610
21L-24	18	533	533	1 395	1 378	610
23.1-26	20		587		1 580	660

Notes:

1. These tyres are identified either by suffix "IND", placed after the Tyre size designation (e.g. 14.9-24 IND), or by the following marking added to the tyre sidewalls: "R - 4".
2. Tyres of radial structure are identified by means of the letter "R " in place of " - " (e.g. 14.9 R 24).
3. Coefficient for the calculation of the overall width of radial tyres: + 8 %.

II. Justification

Regulation No. 106 contains standardized tyre sizes which often need to be updated, following the technical progress. In order to accelerate the update process of the Regulation and limit the number of amendments, it is proposed to insert in a new Resolution the standardized sizes and to refer to this Resolution in Annex 5.