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**Metric series for agricultural, forestry  
machines and construction tyres —**

**Part 2:  
Load ratings for agricultural tyres**

*Pneumatiques de la série millimétrique pour machines agricoles,  
engins forestiers et engins de construction —*

*Partie 2: Capacités de charge de pneumatiques pour machines  
agricoles*

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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](http://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](http://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 voluntary nature of standards, 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](http://www.iso.org/iso/foreword.html).

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

This third edition cancels and replaces the second edition (ISO 7867-2:2005), which has been technically revised. It also incorporates the Amendment ISO 7867-2:2005/Amd 1:2010. The main changes compared to the previous edition are as follows:

- the title has been revised to reflect the content of the document, which applies only to agricultural tyres and not to forestry and construction applications, contained in other International Standards, as specified in the Scope;
- data contained in ISO 4223-1 have been removed and reference has been made to them;
- tables have been revised to reflect the latest evolution in regional regulations as well as industrial International Standards.

A list of all parts in the ISO 7867 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

# Metric series for agricultural, forestry machines and construction tyres —

## Part 2: Load ratings for agricultural tyres

### 1 Scope

This document establishes the service description, the tyre load ratings for basic and special applications and reference inflation pressure for the metric series of tyres primarily intended for agricultural tractors, machines, equipment and their trailers.

It applies to diagonal, bias belted and radial tyres mounted on 5° and 15° tapered rims.

NOTE The service description, the tyre load ratings for basic and special applications and reference inflation pressure for the metric series of:

- tyres for logging and forestry machines are specified in ISO 18807<sup>1)</sup>;
- tyres for construction/industrial tractors are specified in ISO 13442.

### 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 4223-1:2017, *Definitions of some terms used in the tyre industry — Part 1: Pneumatic tyres*

ISO 7867-1, *Metric series of agricultural, forestry and construction tyres — Tyre size designation, dimensions, marking and tyre/rim coordination*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4223-1 and ISO 7867-1 and the following apply.

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

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

#### 3.1

##### **cyclic loading application**

condition that applies when the load on the tyre cycles is between the unloaded and the fully loaded condition

Note 1 to entry: The vehicle shall be unloaded before off-field transport.

1) Under preparation. (Stage at the moment of publication ISO/DIS 18807:2018.)

**3.2  
hillside combine**

combine intended for service on slopes above 11° (20 %) lateral slope

**3.3  
low torque**

condition that applies when the primary torque involved is to propel the vehicle

Note 1 to entry: Vehicles pulling carts or trailers are considered to be operating in a low torque mode when operating on slopes up to 11° (20 %) lateral slope.

**3.4  
high and sustained torque**

condition that occurs when high continuous tractive effort is applied to the drawbar or hitch

Note 1 to entry: Vehicles equipped with injectors, or any other ground engaging attachment (e.g. ploughing) or dragging objects are considered to be operating in a high and sustained torque mode. Vehicles pulling carts or trailers are also considered to be operating in a high torque mode when operating on slopes greater than 11° (20 %) lateral slope.

**3.5  
road transport**

movement of a vehicle from one location to another under transfer conditions

Note 1 to entry: This movement occurs during transportation of equipment from site to site.

**3.6  
drive wheel tyre**

tyre designed primarily for the equipment of driven axles of agricultural machinery, excluding sustained high torque services

Note 1 to entry: "Drive wheel tyre" is the generic term used in this document for implement drive wheel or traction tyres.

**3.7  
free rolling tyre**

tyre designed for the equipment of non-driven (trailed) axles of agricultural machinery or trailers

Note 1 to entry: "Free rolling tyre" is the generic term used in this document for implement free rolling or trailer tyres.

**3.8  
mixed applications tyre**

tyre designed to be fitted to either driven or non-driven (trailed) axles of agricultural machinery or trailers

Note 1 to entry: "Mixed applications tyre" is the generic term used in this document for implement mixed application tyres.

## 4 Service description

### 4.1 General

The service description shall be indicated as follows:

*Load index Speed symbol*

### 4.2 Load index

The load index is a numerical code associated with the maximum load a tyre can carry at the speed indicated by its speed symbol under service conditions specified by the tyre manufacturer.

The correlation between load indices and tyre load carrying capacities shall be as given in ISO 4223-1:2017, Table A.1.

### 4.3 Speed symbol

The speed category symbol is a symbol indicating the speed at which the tyre can carry the load corresponding to its load index under service conditions specified by the tyre manufacturer.

For metric series tyres, the following speed symbols apply.

Speed symbol	Speed km/h
A6	30
A8	40
B	50
D	65

### 4.4 Application symbol

Application symbols shall be added to the service description of implement tyres.

**Free rolling service**  or **Drive wheel service**  or **Mixed service** 

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EXAMPLE

119 A6 

131 A6 

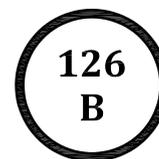
### 4.5 Supplementary service description

Tractor drive wheel tyres may also be marked with an additional service description, indicated within a circle, to identify a special type of service (load rating and speed category) for which the tyre size is also allowed in addition to the applicable load variation with speed.

EXAMPLE



or



[Table 1](#) is not applicable to the supplementary service description (see examples of load ratings in [5.2.2.4](#)).

## 5 Tyre load ratings

### 5.1 Basic tyre load

Basic tyre load is the tyre load-carrying capacity indicated by the tyre's load index at the reference speed indicated by the tyre's speed symbol in the principal service description.

When used as duals, tyre loads shall be reduced to 88 % of the basic tyre load.

When used as triples, tyre loads shall be reduced to 82 % of the basic tyre load.

For basic tyre loads and reference inflation pressures of some existing tyre sizes, see:

- standard tractor drive wheel radial tyres, given in [Table A.1](#);
- standard tractor drive wheel diagonal tyres, given in [Table A.2](#);
- IF tractor drive wheel radial tyres, given in [Table A.3](#);
- implement tyres with speed symbol A6 or A8 in [Table B.1](#);
- implement tyres for mixed applications with speed symbol D in [Table B.2](#).

### 5.2 Tyre applications at service speeds other than the reference speed

#### 5.2.1 General

The rim/wheel manufacturer shall be consulted for confirmation of the suitability of the rim/wheel for the intended service.

#### 5.2.2 Tractor drive wheel tyres

##### 5.2.2.1 General

For applications with low torque, including road transport, the load/speed relationship is given in [Table 1](#).

The tyre manufacturer concerned shall be consulted for the actual pressure to be used when applying the load/speed relationship given in [Table 1](#), especially for service speeds 10 km/h and below.

**Table 1** Load/speed relationship for tractor drive wheel tyres

Service speed km/h	Maximum tyre load for various speed symbols					
	%					
	Standard metric drive wheel tyres			IF and VF tyres		
	A8	B	D	A8	B	D
0	230	230	230	100	100	100
5	170	170	170	100	100	100
10	150	150	150	100	100	100
15	134	134	134	100	100	100
20	123	123	123	100	100	100
25	111	111	118,5	100	100	100
30	107	107	115	100	100	100
35	103	103	112	100	100	100
40	100	100	109,5	100	100	100

Table 1 (continued)

Service speed km/h	Maximum tyre load for various speed symbols					
	%					
	Standard metric drive wheel tyres			IF and VF tyres		
	A8	B	D	A8	B	D
45	96	100	107	96	100	100
50	91	100	105	91	100	100
55			103		—	100
60			101,5		—	100
65			100		—	100
70			91		—	91

### 5.2.2.2 Standard metric drive wheel tyre for field application with high and sustained torque

For this application, the values shown for service speed 30 km/h in [Table 1](#) apply.

### 5.2.2.3 Standard metric drive wheel tyre application on combine harvesters

#### 5.2.2.3.1 General

On combine harvesters in cyclic loading application, except hillside combines, load and inflation pressure increases are shown in [Table 2](#). This load increase shall include all possible field and user modifications that increase the vehicle mass and shall apply only to load increases which occur during the harvesting process. For hill-side operations over 11° (20 %) slope, only the basic tyre loads are permitted.

Table 2 — Load adjustments for combine harvester cyclic loading applications

Service speed km/h	Maximum tyre load %
10	170 %
15	155 %
Inflation pressure increase	up to +25 % (i.e. +40 kPa to +80 kPa)

For tyre load and inflation pressure recommendations for combine harvesters in transport service, the tyre manufacturer shall be consulted.

The combine harvester shall be unloaded before transport outside the field.

#### 5.2.2.3.2 Standard metric CHO drive wheel tyre application on combine harvesters

For standard metric tyres marked with the suffix CHO (cyclic harvesting operations), loads and pressures in [Table 3](#) apply.

Table 3 — Load adjustments for CHO tyres in cyclic loading applications

Service speed km/h	Maximum tyre load %
10	180 %
15	165 %
Inflation pressure increase	none

**5.2.2.4 Standard metric drive wheel tyre marked with additional service description**

Examples of tyre load carrying capacities at various service speeds for tyres marked with a supplementary service description are given in [Table 4](#).

**Table 4 — Load/speed relationship as a function of the service description markings — Example: tyre size 480/70R38**

Service speed	Service description	
	145 A8	145 A8 (145 B)
km/h	Tyre load carrying capacities kg	
25	3 220	3 220
30	3 105	3 105
35	2 985	2 985
40	2 900	2 900
45	2 785	2 900
50	2 640	2 900

**5.2.2.5 IF and VF metric drive wheel tyres in cyclic loading applications**

No increase in load or inflation pressure is permitted when an “IF” or “VF” tyre is used in combine service.

**5.2.2.5.1 IF-CFO drive wheel tyre application in cyclic loading applications**

For tyres marked with the suffix CFO (cyclic field operations), loads and pressures in [Table 5](#) apply.

**Table 5 — Load adjustments for IF-CFO tyres in cyclic loading applications**

Service speed km/h	Maximum tyre load %
15	155 %
30	130 %
Inflation pressure increase	none

**5.2.2.6 IF and VF metric drive wheel tyre application on tractors with front end loader**

In cyclic service with a front end loader at speeds up to 10 km/h, a load up to 140 % of the basic tyre loads is permitted with an inflation pressure increase of 80 kPa. Cyclic service is defined as an intermittent load transport over a maximum distance of 1 km with minimum torque. In unloaded mode, the tyre load shall not exceed the basic load capacity.

**5.2.3 Tractor steering wheel tyres**

**5.2.3.1 General**

For applications at service speeds other than that indicated by the tyre service description, the load/speed relationship is given in [Table 6](#).

The tyre manufacturer concerned shall be consulted for the actual pressure to be used when applying the load/speed relationship given in [Table 6](#).

**Table 6 — Load/speed relationship for steering wheel tyres with speed symbol A6 or A8**

Service speed km/h	Maximum tyre load for various speed symbols	
	%	
	A6	A8
10	150	167
15	143	150
20	135	139
25	115	128
30	100	111
35	90	104
40	80	100
45	—	93
50	—	—

**5.2.3.2 Tractor steering wheel tyres application on tractors with front end loader**

In cyclic service with a front end loader at speeds up to 10 km/h, a load up to 200 % of the basic tyre loads is permitted. In unloaded mode, the tyre load shall not exceed the basic load capacity.

**5.2.4 Implement tyres****5.2.4.1 General**

For applications at speeds other than that indicated by the tyre service description, including road transport, the load/speed relationship is given in [Table 7](#).

The tyre manufacturer concerned shall be consulted for the actual pressure to be used when applying the load/speed relationship given in [Table 7](#).

**Table 7 — Load/speed relationships for implement tyres**

Service speed (km/h)	Maximum tyre load for various speed symbols			
	%			
	A6	A8	B	D
0	a	a		
10	129	140	158	180
15	121	133	132	173
20	114	126	126	165
25	107	119	119	158
30	100	112	112	151
35	95	105	110	144
40	90	100	106	136
45	—	95	102	129
50	—	90	100	121
55	—	—	—	114

<sup>a</sup> 165 in case of load capacities for free rolling wheels or 235 in case of load capacities for drive wheels.

**Table 7 (continued)**

Service speed (km/h)	Maximum tyre load for various speed symbols			
	%			
	A6	A8	B	D
60	—	—	—	107
65	—	—	—	100
70	—	—	—	91

<sup>a</sup> 165 in case of load capacities for free rolling wheels or 235 in case of load capacities for drive wheels.

**5.2.4.2 Implement tyres with cyclic high load variation**

When tyres marked with speed symbol A6 or A8 equip vehicles subject to haulage cyclic high load variations excluding transport application on long distances (i.e. vehicles used on round trips from field to farm) where, on one way, the vehicle is empty and, on the other way, the gross vehicle mass exceeds two times the mass of the empty vehicle, inclusive of the driver, if any, the reference load capacities, obtained by applying load variations shown in [Table 7](#), may be increased by 20 % in case of free rolling wheels, or by 43 % in case of drive wheels, respectively.

Reference inflation pressures shall be increased at least by 20 %, but the tyre manufacturer shall be consulted for the actual pressure to be used in practice.

**5.2.4.3 Implement tyres on non-driven steering wheels**

When fitted on free rolling steering wheels of self-propelled agricultural equipment, tyre load capacities are 80 % of the loads for free-rolling applications. Inflation pressure should be increased in accordance with tyre manufacturers' recommendations.

**6 Reference inflation pressures**

The following reference inflation pressures are recommended for basic tyre loads of different ranges of agriculture tyres (metric series).

- Tractor drive wheel and steering wheel tyres: 100 kPa, 120 kPa, 160 kPa, 200 kPa, 240 kPa, 280 kPa, 320 kPa, 360 kPa, 400 kPa, 440 kPa, 480 kPa, 520 kPa.
- Implement tyres: 80 kPa, 120 kPa, 160 kPa, 200 kPa, 240 kPa, 280 kPa, 320 kPa, 360 kPa, 400 kPa, 450 kPa, 500 kPa, 550 kPa, 600 kPa.

NOTE These reference inflation pressures are for the basic tyre loads. Operating pressures can be different depending on the actual load on the tyre, the operating speed and the service conditions.

## Annex A (informative)

### Basic loads for tractor drive wheel tyres

The inflation pressure is a minimum reference value for the loads given in the tables. The tyre manufacturer shall be consulted about the actual pressures to be used in practice.

For load capacities at various speeds and type of service, see [5.2](#).

**Table A.1 — Basic tyre load and reference inflation pressures for standard radial tyres**

Tyre size designation	Load index LI	Basic tyre load kg	Reference inflation pressure kPa
<b>95 series</b>			
180/95R40	118	1 320	360
210/95R32	114	1 180	240
210/95R36	124	1 600	360
210/95R44	120	1 400	240
230/95R32	126	1 700	360
	128	1 800	400
230/95R36	128	1 800	360
	130	1 900	400
230/95R40	122	1 500	240
230/95R44	132	2 000	360
	134	2 120	400
230/95R48	114	1 180	120
	121	1 450	160
	123	1 550	200
	126	1 700	240
	129	1 850	280
	132	2 000	320
	134	2 120	360
250/95R34	119	1 360	160
	137	2 300	320
270/95R32	134	2 120	360
	136	2 240	400
270/95R36	137	2 300	360
	139	2 430	400
270/95R38	138	2 360	360
270/95R42	140	5 520	360
270/95R44	141	2 575	360
	142	2 650	400
270/95R46	141	2 575	360

Table A.1 (continued)

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
270/95R48	142	2 650	360
270/95R54	144	2 800	360
290/95R34	131	1 950	240
300/95R46	148	3 150	400
300/95R52	149	3 250	400
480/95R54	166	5 300	240
<b>90 series</b>			
270/90R46	142	2 650	400
290/90R38	138	2 360	320
290/90R42	128	1 800	160
	133	2 060	240
300/90R50	149	3 250	400
320/90R32	134	2 120	240
320/90R42	139	2 430	240
320/90R46	148	3 150	360
320/90R50	148	3 150	320
320/90R52	148	3 150	320
320/90R54	143	2 725	240
	149	3 250	320
380/90R46	147	3 075	200
	149	3 250	240
320/90R50	151	3 450	240
320/90R54	140	2 500	120
	146	3 000	160
	150	3 350	200
	152	3 550	240
420/90R30	142	2 650	160
	147	3 075	240
<b>85 series</b>			
240/85R24	107	975	160
240/85R28	109	1 030	160
250/85R24	109	1 030	160
250/85R28	112	1 120	160
270/85R50	142	2 650	400
280/85R20	112	1 120	160
280/85R24	115	1 215	160
280/85R28	118	1 320	160
320/85R20	119	1 360	160
320/85R24	122	1 500	160
320/85R28	124	1 600	160
320/85R32	126	1 700	160
320/85R34	133	2 060	240

Table A.1 (continued)

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
320/85R36	128	1 800	160
320/85R38	138	2 360	280
	143	2 725	360
340/85R24	125	1 650	160
	130	1 900	240
340/85R28	127	1 750	160
340/85R36	132	2 000	160
340/85R38	133	2 060	160
340/85R46	142	2 650	240
340/85R48	151	3 450	360
380/85R24	131	1 950	160
380/85R28	133	2 060	160
380/85R30	135	2 180	160
380/85R34	137	2 300	160
	142	2 650	240
380/85R46	147	3 075	240
420/85R24	137	2 300	160
420/85R28	139	2 430	160
420/85R30	140	2 500	160
420/85R34	142	2 650	160
420/85R38	144	2 800	160
480/85R26	145	2 900	160
460/85R30	145	2 900	160
460/85R34	147	3 075	160
460/85R38	149	3 250	160
460/85R42	150	3 350	160
480/85R34	149	3 250	160
520/85R38	155	3 875	160
520/85R42	157	4 125	160
	162	5 150	240
520/85R46	158	4 250	160
520/85R50	165	5 150	240
650/85R38	173	6 500	240
680/85R32	173	6 500	240
680/85R42	174	6 700	240
<b>80 series</b>			
210/80R16	94	670	160
250/80R16	100	800	160
250/80R18	102	850	160
260/80R20	106	950	160
270/80R32	131	1 950	400
270/80R36	134	2 120	400

Table A.1 (continued)

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
340/80R20	121	1 450	160
380/80R38	137	2 300	160
	142	2 650	240
420/80R28	151	3 545	240
420/80R46	145	2 900	160
	151	3 450	240
440/80R28	140	2 500	160
480/80R26	154	3 750	320
480/80R38	149	3 250	160
480/80R42	151	3 450	160
480/80R46	158	4 250	240
480/80R50	159	4 375	240
850/80R38	180	8 000	160
<b>75series</b>			
270/75R32	129	1 850	400
320/75R24	118	1 320	160
340/75R20	117	1 285	160
380/75R20	121	1 450	160
380/75R24	127	1 750	160
400/75R38	138	2 360	160
480/75R24	140	2 500	160
480/75R28	142	2 650	160
480/75R34	145	2 900	160
540/75R28	149	3 250	160
540/75R28	154	3 750	240
540/75R34	157	4 125	240
580/75R38	157	4 125	160
620/75R26	153	3 650	160
	166	5 300	320
620/75R30	155	3 875	160
	163	4 875	240
	168	5 600	320
620/75R34	157	4 125	160
	170	6 000	320
650/75R32	160	4 500	160
	167	5 450	240
	172	6 300	320
650/75R34	162	4 750	160
650/75R38	169	5 800	160
680/75R32	164	5 000	160
710/75R32	171	6 150	240
710/75R34	168	5 600	160

Table A.1 (continued)

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
800/75R32	178	7 500	240
850/75R42	193	11 500	360
900/75R32	184	9 000	240
<b>70 series</b>			
200/70R16	94	670	240
240/70R16	104	900	240
260/70R16	109	1 030	240
260/70R18	111	1 090	240
260/70R20	113	1 150	240
280/70R16	102	850	160
	112	1 120	240
280/70R18	104	900	160
	114	1 180	240
280/70R20	116	1 250	240
300/70R16	106	950	160
300/70R18	108	1 000	160
300/70R20	110	1 060	160
	120	1 400	240
300/70R24	113	1 150	160
320/70R20	113	1 150	160
	123	1 550	240
320/70R24	116	1 250	160
320/70R28	119	1 360	160
360/70R20	120	1 400	160
	129	1 850	240
360/70R24	122	1 500	160
	127	1 750	240
360/70R28	125	1 650	160
	130	1 900	240
380/70R20	122	1 500	160
380/70R24	125	1 650	160
	130	1 900	240
380/70R28	127	1 750	160
	133	2 060	240
420/70R24	130	1 900	160
	136	2 240	240
420/70R28	133	2 060	160
	139	2 430	240
420/70R30	134	2 120	160
460/70R24	135	2 180	160
480/70R24	138	2 360	160
	143	2 725	240

Table A.1 (continued)

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
480/70R26	139	2 430	160
	140	2 500	240
480/70R28	145	2 900	240
	151	3 450	320
480/70R30	141	2 575	160
	147	3 075	240
	152	3 550	320
480/70R34	143	2 725	160
	146	3 000	200
	152	3 550	280
480/70R38	145	2 900	160
500/70R34	145	2 900	160
520/70R26	143	2 725	160
520/70R30	145	2 900	160
	151	3 450	240
520/70R34	148	3 150	160
520/70R38	150	3 350	160
540/70R34	150	3 350	160
580/70R26	149	3 250	160
580/70R38	155	3 875	240
580/70R42	158	4 250	240
600/70R28	157	4 125	240
600/70R30	152	3 550	160
	158	4 250	240
620/70R26	153	3 150	160
620/70R28	159	4 375	240
620/70R38	170	6 000	320
620/70R42	160	4 500	160
	166	5 300	240
	172	6 300	320
620/70R46	162	4 750	160
650/70R26	156	4 000	160
650/70R30	157	4 125	160
680/70R32	161	4 625	160
680/70R34	162	4 750	160
710/70R38	166	5 300	160
	171	6 150	240
710/70R42	168	5 600	160
	173	6 500	240
800/70R32	175	6 900	240
800/70R38	166	5 300	120
	173	6 500	160

Table A.1 (continued)

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
800/70R42	179	7 750	240
<b>65 series</b>			
240/65R16	101	825	240
260/65R16	106	950	240
280/65R16	110	1 060	240
300/65R16	114	1 180	240
300/65R18	116	1 250	240
320/65R16	107	975	160
320/65R18	109	1 030	160
340/65R18	113	1 150	160
340/65R20	114	1 180	160
	124	1 600	240
420/65R20	119	1 360	120
	125	1 650	160
	135	2 180	240
420/65R24	121	1 450	120
	126	1 700	160
420/65R28	123	1 550	120
	128	1 800	160
440/65R20	128	1 800	160
	138	2 360	240
440/65R24	122	1 500	120
	128	1 800	160
440/65R28	124	1 600	120
	131	1 950	160
480/65R24	127	1 750	120
	133	2 060	160
480/65R28	129	1 850	120
	136	2 240	160
	142	2 650	240
540/65R24	135	2 180	120
	140	2 500	160
	146	3 000	240
540/65R26	136	2 240	120
	141	2 575	160
540/65R28	137	2 300	120
	142	2 650	160
	149	3 250	240
540/65R30	138	2 360	120
	143	2 725	160
	150	3 350	240

Table A.1 (continued)

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
540/65R34	140	2 500	120
	145	2 900	160
	152	3 550	240
540/65R36	153	3 650	240
540/65R38	142	2 650	120
	147	3 075	160
	153	3 650	240
600/65R28	142	2 650	120
	147	3 075	160
	154	3 750	240
600/65R30	149	3 250	160
600/65R32	144	2 800	120
600/65R34	145	2 900	120
	151	3 450	160
	157	4 125	240
600/65R38	147	3 075	120
	153	3 650	160
600/65R38	159	4 375	240
650/65R34	161	4 625	240
650/65R38	154	3 750	120
	157	4 125	160
	163	4 875	240
650/65R42	158	4 250	160
	165	5 150	240
	170	6 000	320
650/65R46	160	4 500	160
	167	5 450	240
750/65R26	158	4 250	160
	166	5 300	240
800/65R32	167	5 450	160
	172	6 300	240
900/65R32	178	7 500	240
<b>60 series</b>			
800/60R32	165	5 150	160
900/60R32	176	7 100	240
<b>55 series</b>			
710/55R30	153	3 550	160
750/55R26	160	4 500	240
750/55R30	156	4 000	160
900/55R32	173	6 500	240
<b>50 series</b>			
900/50R42	168	5 600	160

Table A.1 (continued)

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
1000/50R25	172	6 300	240
1050/50R32	172	6 300	160
	178	7 500	240
1100/50R32	181	8 250	240
1250/50R32	188	10 000	240
<b>45 series</b>			
1100/45R46	189	10 300	320

Table A.2 — Basic tyre load and reference inflation pressures for standard diagonal tyres

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
<b>85 series</b>			
320/85-24	127	1 750	240
340/85-24	130	1 900	240
380/85-24	137	2 300	240
380/85-28	139	2 430	240
420/85-28	144	2 800	240
420/85-30	145	2 900	240
420/85-34	147	3 075	240
420/85-38	149	3 250	240
460/85-30	150	3 350	240
420/85-34	152	3 550	240
420/85-38	154	3 750	240
520/85-38	160	4 500	240
<b>65 series</b>			
600/65-34	151	3 450	120
710/65-38	156	4 000	120
	162	4 750	160
750/65-38	158	4 250	120
	165	5 150	160
	171	6 150	240
<b>60 series</b>			
360/60-24	122	1 500	240
400/60-26.5	116	1 250	120
500/60-26.5	127	1 750	120
	141	2 575	240
600/60-30.5	153	3 650	240
600/60-38	144	2 800	120
	156	4 000	240
650/60-38	148	3 150	120
	161	4 625	240

Table A.2 (continued)

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
710/60-30.5	168	5 600	320
750/60-42	157	4 125	120
850/60-32	173	6 500	240
850/60-38	162	4 750	120
	169	5 800	160
	175	6 900	240
900/60-32	176	7 100	240

55 series			
400/55-17.5	109	1 030	120
	125	1 650	240
600/55-26.5	135	2 180	120
	148	3 150	240
600/55-30.5	137	2 300	120
	150	3 350	240
710/55-34	155	3 875	160
800/55-30.5	172	6 300	320
750/50-30.5	146	3 000	120
	159	4 375	240
800/50-34	151	3 450	120
850/50-38	163	4 875	160

Table A.3 — Basic tyre load and reference inflation pressures for IF radial tyres

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
<b>105 series</b>			
IF380/105R50	177	7 300	480
<b>95 series</b>			
IF480/95R50	165	5 150	160
<b>90 series</b>			
IF380/90R46	168	5 600	440
<b>85 series</b>			
IF420/85R34	152	3 550	200
IF420/85R38	153	3 650	200
IF520/85R34	168	5 600	280
IF520/85R42	169	5 800	240
IF520/85R46	165	5 150	160
IF650/85R38	179	7 750	240
IF680/85R32	179	7 750	240
IF710/85R38	178	7 500	160
<b>80 series</b>			

Table A.3 (continued)

Tyre size designation	Load index	Basic tyre load	Reference inflation pressure
	LI	kg	kPa
IF380/80R38	149	3 250	240
IF480/80R50	166	5 300	240
IF580/80R34	175	6 900	320
<b>75 series</b>			
IF620/75R30	164	5 000	160
IF650/75R30	166	5 300	160
IF710/75R42	181	8 250	240
IF850/75R42	186	9 500	160
<b>70 series</b>			
IF600/70R30	159	4 375	160
IF710/70R38	178	7 500	240
IF710/70R42	174	6 700	160
	179	7 750	240
IF800/70R32	152	8 500	182
IF800/70R38	179	7 750	160
<b>65 series</b>			
IF650/65R34	161	4 625	160
IF800/65R32	178	7 500	240
<b>60 series</b>			
IF710/60R34	164	5 000	160
IF800/60R32	173	6 500	280
	175	6 900	320
IF900/60R38	184	9 000	240
IF900/60R42	180	8 000	160

## Annex B (informative)

### Basic tyre loads and reference inflation pressure for implement tyres

The inflation pressure is a minimum reference value for the loads given in the Tables. The tyre manufacturer shall be consulted about the actual pressures to be used in practice.

For load capacities at various speeds and type of service, see [5.2.4](#).

**Table B.1 — Implement tyres with speed category A6 or A8 — Diagonal and radial**

Tyre size designation	Load index		Basic tyre load		Reference inflation pressure
	Free rolling wheel  LI	Drive wheel  LI	Free rolling wheel kg	Drive wheel kg	
<b>95 series</b>					
100/95-6IMP	53	41	206	145	320
110/95-6IMP	51	39	195	136	240
110/95-8IMP	62	49	265	185	320
	120	108	1 400	1 000	280
<b>90 series</b>					
100/90-8IMP	48	36	180	125	240
110/90-4IMP	44	32	160	112	240
110/90-8IMP	54	42	212	150	240
180/90-16IMP	100	88	800	560	200
190/90-16IMP	108	96	1 000	710	240
200/90-16IMP	111	99	1 090	775	240
260/90-13IMP	121	109	1 450	1 030	240
<b>85 series</b>					
500/85R24IMP	171	158	6 150	4 250	280
<b>80 series</b>					
300/80-15.3IMP	132	129	2 000	1 400	280
	141	129	2 575	1 850	400
320/80-15.3IMP	145	133	2 900	2 060	400
320/80-18IMP	143	130	2 725	1 900	320
360/80-20IMP	144	131	2 800	1 950	240
400/80-24IMP	159	147	4 375	3 075	280
	161	149	4 625	3 250	320
440/80-24IMP	150	138	3 350	2 360	160
	155	143	3 875	2 725	200
	164	152	5 000	3 550	280