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Passenger car tyres and rims —

Part 1: Tyres (metric series)

Pneumatiques et jantes pour voitures particulières —

Partie 1: Pneumatiques (série millimétrique)

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Foreword

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

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 4000-1 was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 3, *Passenger car tyres and rims*.

This ninth edition cancels and replaces the eighth edition (ISO 4000-1:2007), which has been technically revised.

ISO 4000 consists of the following parts, under the general title *Passenger car tyres and rims*:

— *Part 1: Tyres (metric series)*

— *Part 2: Rims*

Passenger car tyres and rims —

Part 1:
Tyres (metric series)

1 Scope

This part of ISO 4000 specifies the designation, dimensions and load ratings of metric-series tyres primarily intended for passenger cars.

2 Normative references

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

ISO 3877-1, *Tyres, valves and tubes — List of equivalent terms — Part 1: Tyres*

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

ISO 16992, *Passenger car tyres — Spare unit substitutive equipment (SUSE)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4223-1 and ISO 3877-1[1)] and the following apply.

3.1
rim protector
feature incorporated into the lower sidewall area of the tyre which is intended to protect the rim flange from damage

EXAMPLE A protruding circumferential rubber rib.

1) ISO 3877-1 gives other terms used in this field, together with their equivalents in other languages.

4 Designation

4.1 Size and construction

4.1.1 Characteristics

The tyre characteristics shall be designated as follows:

Nominal section width / Nominal aspect ratio Tyre construction code Nominal rim diameter code

4.1.2 Nominal section width

The nominal section width of the tyre shall be indicated in millimetres, and this part of the designation shall end in either the numeral of zero or five, so that in any single series of tyres with the same nominal aspect ratio, the values shall all end in 0 or they shall all end in 5.

For sizes mounted on 5° tapered (code-designated) rims, the nominal section width designation shall end in 5.

4.1.3 Nominal aspect ratio

The nominal aspect ratio (H/S) shall be expressed as a percentage and shall be a multiple of 5.

4.1.4 Tyre construction code

The tyre construction code shall be as follows:

— B for bias-belted construction;

— D for diagonal construction;

— R for radial ply construction.

In the case of tyres designed for vehicles having a maximum speed capability exceeding 240 km/h, the code-letters ZR may be indicated with the dimensional and constructional characteristics for radial ply tyres instead of the tyre construction code R (see 4.2).

The code-letters ZR shall be used in the dimensional and constructional characteristics associated with the speed symbol Y and the load index, both placed within parentheses, to identify performance up to 300 km/h for tyres suitable for speeds exceeding 300 km/h.

EXAMPLE **235/45 ZR 17 (97Y)**.

For maximum speed capability and load capacity of the tyre over 300 km/h, consult the manufacturer.

Use of any other code-letter (for example, in the case of a new construction type) should first be submitted to ISO for acceptance.

4.1.5 Nominal rim diameter code

For tyres mounted on 5° tapered (code-designated) rims, the code shall be as given in Table 1.

Table 1 — Nominal rim diameter code

Nominal rim diameter code	Nominal rim diameter, D_r mm
10	254
12	305
13	330
14	356
15	381
16	406
17	432
18	457
19	483
20	508
21	533
22	559
23	584
24	610
25	635
26	660
28	711
30	762

In the case of tyres requiring new-concept rims, for safety reasons, especially concerning mounting, the code-number shall be equal to the nominal rim diameter (D_r) expressed as a whole number in millimetres.

4.2 Service description

4.2.1 General

The service description shall be as follows:

Load index Speed symbol

In the special case of tyres designed for vehicles having a maximum speed capability exceeding 300 km/h, the service description need not be indicated. However, the tyre manufacturer shall be consulted as to the maximum speed capability and load capacity of such tyres.

4.2.2 Load index

The maximum tyre load-carrying capacity corresponding to the service conditions specified by the tyre manufacturer shall be indicated by a load index taken from Table 2, per tyre for a single mounting.

4.2.3 Speed categories

A speed category is assigned to a tyre according to the maximum speed for which its use is rated. The speed for each category shall be indicated by a letter-symbol, in accordance with Table 3.

4.3 Other service characteristics

4.3.1 The word “TUBELESS” shall appear on tyres without tubes.

4.3.2 The words “REINFORCED” or “EXTRA LOAD” shall appear on tyres designed for loads and inflation pressures higher than the standard version.

4.3.3 The letters “LL”, close to the tyre size designation, or the words “LIGHT LOAD” shall appear on the sidewalls of tyres designed for loads lower than the standard version.

4.3.4 The letter “T”, immediately preceding the tyre size designation, shall be used to characterize high-pressure, special, temporary-use spare tyres.

4.3.5 Specific indications, if required, may be added to indicate:

— the type of vehicle for which the tyre is primarily designed, using the symbol “P” for passenger cars (see 4.3.6);

— temporary use of certain spare tyres, using indications such as “TEMPORARY USE ONLY”;

— bias-belted construction, with the words “BIAS-BELTED”;

— radial ply construction, with the word “RADIAL”;

— the direction of mounting;

— the direction of rotation;

— the type of tread pattern; and

— other characteristics.

4.3.6 The optional marking “P” may be used where there could be ambiguity regarding the tyre type. It should be positioned such that confusion cannot result from its proximity to any other service condition marking.

4.3.7 The optional marking “F” shall be added after the construction code to identify self-supporting-type run-flat tyres that meet the requirements of ISO 16992.

EXAMPLE **235/45 RF 17**.

Table 2 — Correlation between load index (LI) and tyre load-carrying capacity (TLCC)

LI	TLCC kg	LI	TLCC kg	LI	TLCC kg	LI	TLCC kg
50	190	70	335	90	600	110	1 060
51	195	71	345	91	615	111	1 090
52	200	72	355	92	630	112	1 120
53	206	73	365	93	650	113	1 150
54	212	74	375	94	670	114	1 180
55	218	75	387	95	690	115	1 215
56	224	76	400	96	710	116	1 250
57	230	77	412	97	730	117*	1 285
58	236	78	425	98	750	118*	1 320
59	243	79	437	99	775	119*	1 360
60	250	80	450	100	800	120*	1 400
61	257	81	462	101	825	—	—
62	265	82	475	102	850	—	—
63	272	83	487	103	875	—	—
64	280	84	500	104	900	—	—
65	290	85	515	105	925	—	—
66	300	86	530	106	950	—	—
67	307	87	545	107	975	—	—
68	315	88	560	108	1 000	—	—
69	325	89	580	109	1 030	—	—

* ISO tyre loads have a 116 load index maximum: some existing tyres may have a higher load index number.

The maximum tyre load capacity corresponding to the load index shall apply for speeds up to and including 210 km/h.

For tyres in the speed category V (between 210 km/h and 240 km/h), the maximum load capacity per tyre shall be reduced to 100 % at 210 km/h, 97 % at 220 km/h, 94 % at 230 km/h and 91 % at 240 km/h; linear interpolation is permitted.

In the case of speed categories W and Y, the maximum load capacity per tyre corresponding to the load index shall apply for speeds up to and including 240 km/h for W and 270 km/h for Y.

For tyres in the speed category W (between 240 km/h and 270 km/h), the maximum load capacity per tyre shall be reduced to 100 % at 240 km/h, 95 % at 250 km/h, 90 % at 260 km/h and 85 % at 270 km/h; linear interpolation is permitted.

For tyres in the speed category Y (between 270 km/h and 300 km/h), the maximum load capacity per tyre shall be reduced to 100 % at 270 km/h, 95 % at 280 km/h, 90 % at 290 km/h and 85 % at 300 km/h; linear interpolation is permitted.

See 4.2.3 and Table 3 for speed categories and their symbols.

For speeds of over 300 km/h or ZR-marked tyres or both, consult the tyre manufacturer for the maximum tyre load capacity permitted in relation to the maximum speed allowed for the tyre.

For vehicles with a design maximum speed capability of up to 60 km/h, the maximum load capacity corresponding to the load index may be exceeded, as shown below. However, an increase in the reference inflation pressure is necessary and should be determined in consultation with the tyre manufacturer. In the absence of such agreement, the following pressure increases are recommended:

— for 60 km/h, a 10 % load increase with a 10 kPa inflation pressure increase;

— for 50 km/h, a 15 % load increase with a 20 kPa inflation pressure increase;

— for 40 km/h, a 25 % load increase with a 30 kPa inflation pressure increase;

— for 30 km/h, a 35 % load increase with a 40 kPa inflation pressure increase;

— for 25 km/h, a 42 % load increase with a 50 kPa inflation pressure increase.

Table 3 — Speed category symbols

Symbol	Category km/h
J	100
K	110
L	120
M	130
N	140
P	150
Q	160
R	170
S	180
T	190
U	200
H	210
V	240
W	270
Y[a]	300
NOTE This list is not exhaustive, and other categories and symbols might be added later.	
[a] Radial ply tyres designed for speeds exceeding 300 km/h shall be identified by the code-letters ZR with the dimensional and constructional characteristics in place of the tyre construction code. Consult the tyre manufacturer for the maximum speed capability.	

5 Marking

The marking shall include designations of:

a) size and construction;

b) service condition characteristics (see 4.1.4 and 4.2 for special cases);

c) any other service characteristics.

The location of the marking of the load and speed characteristics shall be distinct, but near the marking of the size and construction.

No location is specified for the markings related to other service characteristics (see 4.3).

EXAMPLE A tubeless tyre having a nominal section width of 165 mm, a nominal aspect ratio of 80, a radial ply construction and a nominal rim diameter code of 15, whose service description consists of a load index (LI) of 87 corresponding to a tyre load-carrying capacity of 545 kg, and which falls into the speed category H (210 km/h), is marked:

165/80 R 15 87 H
TUBELESS

NOTE See Annex D for other existing size markings.

6 Tyre dimensions

6.1 Rounding values

Except in the cases given in 6.2.1 and 6.2.2, round the formula-derived values for tyre dimensions to the nearest millimetre (see ISO 31-0).

6.2 Calculation of design tyre dimensions

6.2.1 Theoretical rim width, R_{th}

$$R_{th} = K_1 \times S_N$$

where

K_1 is the rim/section width ratio;

S_N is the nominal section width.

For tyres mounted on 5° rims (code-designated) with nominal rim diameter expressed by a two-figure code:

— K_1 = 0,7 where the tyres have a nominal aspect ratio of 50 to 95;

— K_1 = 0,85 where this ratio is 20 to 45.

NOTE K_1 values for other tyre and rim types will be defined in a future revision.

6.2.2 Measuring rim width code, R_{mc}

$$R_{mc} = \frac{K_2 \times S_N}{25,4}$$

rounded to the nearest 0,5 rim width code, where K_2 is the rim/section width ratio coefficient.

For tyres mounted on 5° drop-centre rims with a nominal diameter expressed by a two-figure code:

— K_2 = 0,7 for nominal aspect ratios 95 to 75;

— K_2 = 0,75 for nominal aspect ratios 70 to 60;

— K_2 = 0,8 for nominal aspect ratios 55 and 50;

— K_2 = 0,85 for nominal aspect ratio 45;

— K_2 = 0,9 for nominal aspect ratios 40 to 30;

— K_2 = 0,92 for nominal aspect ratios 20 and 25.

NOTE Other values of K_2 for other tyre and rim types will be defined in a future revision.

6.2.3 Design tyre section width, S

The design tyre section width, S, is the nominal section width, S_N, transferred from the theoretical rim, R_{th}, to the measuring rim width code, R_{mc}, so that:

$$S = S_N + 0{,}4(25{,}4R_{mc} - R_{th})$$

with R_{th} expressed in millimetres.

EXAMPLE **265/40 R17**.

K_1 = 0,85 (see 6.2.1) and K_2 = 0,9 (see 6.2.2)

$R_{th} = K_1 \times S_N$ = 265 × 0,85 = 225,25 mm

$R_{mc} = K_2 \times S_N/25{,}4$ = 0,9 × 265/25,4 = 9,39, rounded to 9,5

25,4 × R_{mc} = 25,4 × 9,5 = 241,3 mm

$S = S_N$ + 0,4 (25,4 $R_{mc} - R_{th}$) = 265 + 0,4 (241,3 – 225,25) = 271,42, rounded to 271 mm.

6.2.4 Design tyre section height, H

The design tyre section height, H, is calculated by the following equation:

$$H = S_N \frac{H/S}{100}$$

6.2.5 Design tyre overall diameter, D_o

The design tyre overall diameter, D_o, is calculated by the following equation:

$$D_o = D_r + 2H$$

For those tyres having a nominal rim diameter code, use the corresponding value of D_r given in Table 1.

6.2.6 Guidelines

See Annex A for general guidelines on the tyre design dimensions for the metric series of passenger car tyres mounted on 5° rims (code-designated).

6.3 Calculation of maximum overall (grown) tyre dimensions in service tyres mounted on their measuring rims

6.3.1 General

The calculation of maximum overall (grown) tyre dimensions in service for tyres mounted on their measuring rims is for use by vehicle manufacturers in designing for tyre clearance.

Calculate these dimensions with the coefficient appropriate to the design tyre section width and design tyre section height (see Table 4).

Table 4 — Coefficients for calculation of tyre dimensions

Dimensions in millimetres

Structure	Construction code	Nominal aspect ratio, H/S	Coefficient			
			a[a]	b	c	d
Diagonal	D	All	1,1	1,08	—	—
Bias-belted	B				—	—
Radial ply	R	⩽ 65	1,04	1,04	0,96	0,97
		70	1,04			
		⩾ 75	1,06			

[a] The maximum overall section width includes elevations due to labelling, decorations, protection ribs or bands and excludes rim protectors.

6.3.2 Maximum overall (grown) width in service, W_{max}

The maximum overall (grown) width in service, W_{max}, is equal to the greater of the following values:

— the product of the design tyre section width, S, and the appropriate coefficient, a (see Table 4):

$$W_{max} = Sa$$

— the addition of 8 mm to the design tyre section width, S:

$$W_{max} = S + 8$$

6.3.3 Maximum overall (grown) diameter in service, $D_{o\,max}$

$$D_{o\,max} = D_r + 2Hb$$

See Table 4 for the value of coefficient b.

6.4 Calculation of minimum tyre dimensions for radial ply tyres mounted on their measuring rims

6.4.1 Minimum tyre section width, S_{min}

$$S_{min} = Sc$$

See Table 4 for the value of coefficient c.

6.4.2 Minimum tyre overall diameter, $D_{o\,min}$

$$D_{o\,min} = D_r + 2Hd$$

See Table 4 for the value of coefficient d.

6.5 Range of approved rims

The range of approved rim width codes for the nominal aspect ratio of 35 and above is calculated as the product of the nominal section width, S_N, and the coefficients shown in Table 5, divided by 25,4. Round the values obtained to the nearest 0,5 rim width code. For tyre sizes with a nominal aspect ratio of 30 and below, the range of approved rim width codes is the measuring rim width code ± 0,5.

The maximum overall (grown) width in service, W_{max}, and the minimum tyre section width, S_{min}, will change by 40 % of the change in rim width code multiplied by 25,4, rounded to the nearest millimetre.

Table 5 — Approved rim width codes for passenger car tyres as a function of nominal aspect ratio

Dimensions in millimetres

Nominal aspect ratio H/S	Coefficients for calculation of approved rim width	
	min.	max.
$70 \leqslant H/S \leqslant 95$	0,65	0,85
$50 \leqslant H/S \leqslant 65$	0,7	0,9
$H/S = 45$	0,8	0,95
$35 \leqslant H/S \leqslant 40$	0,85	1
$H/S \leqslant 30$	Measuring rim width code – 0,5	Measuring rim width code + 0,5

7 Tyre dimension measurement procedure

The tyre dimension measurement procedure shall be as described below.

a) Prior to measurement, mount the tyre on an approved rim, inflated to the recommended pressure given in Table 6, and allow it to stand for a minimum of 24 h at normal room temperature.

b) Readjust the inflation pressure to the original value.

c) Calliper the section width and the overall width of the tyre at six points approximately equally spaced around the tyre circumference. Record the average of these measurements as section width and overall width.

d) Determine the tyre overall diameter by measuring its maximum circumference and dividing this by π (where π = 3,141 6).

Table 6 — Recommended pressures for measurement of tyre dimensions

Tyre	Pressure kPa
Standard load and P-type light load (LL) version	180
Extra load/reinforced version	220
T-type temporary-use spare tyre	420

8 Inflation pressures

Operating cold inflation pressures should be agreed between tyre and vehicle manufacturers, taking into account not only tyre load-carrying capacity (see Annex C), but also operating conditions such as maximum speed, camber angle and the position of the tyre on the vehicle, as well as service conditions and the construction and characteristics of the vehicle.

Unless otherwise specified by the tyre manufacturer, it is recommended that the cold inflation pressure of radial ply tyres be limited in normal application to 350 kPa for all standard load version sizes on code designated rims, irrespective of the speed category (see Table 3).

For normal road applications, the specified inflation pressure may not be less than

— 140 kPa for vehicle operating speeds $\leqslant$ 160 km/h, and

— 180 kPa for vehicle operating speeds $>$ 160 km/h.

For special applications, consult the tyre manufacturer.

NOTE Cold inflation pressure is the pressure of the tyre at ambient temperature, and does not include pressure build-up due to tyre usage.

9 Load capacities

Load capacities for passenger car tyres are given in Annex B.

NOTE For sizes not included in Annex B, consult the national standardization organization.

See Annex C for tyre load-carrying capacity at various inflation pressures.

10 Choice of tyre sizes

In selecting tyres for a vehicle, the vehicle maximum load on the tyre shall not be greater than the applicable maximum load-carrying capacity of the tyre. Vehicle maximum load on the tyre is the load on an individual tyre that is determined by distributing to each axle its share of the maximum loaded vehicle mass and dividing by the number of tyres on the axle.

The vehicle normal load on the tyre shall not be greater than 88 % of the maximum load-carrying capacity of the tyre. Vehicle normal load on the tyre is the load on an individual tyre that is determined by distributing (in accordance with Table 7) to each axle its share of the curb mass, accessory mass and normal occupant mass and dividing by the number of tyres on the axle. These, and other relevant masses, are defined below.

In specific local regulations, the vehicle normal load on the tyre shall not be greater than 94 % of the load rating at the vehicle manufacturer's recommended cold inflation pressure for the tyre.

The vehicle manufacturer may specify an inflation pressure less than that corresponding to the maximum tyre load. In this case, the load on the tyre (at the corresponding vehicle loading condition) shall not exceed the tyre load capacity at the specified inflation pressure.

Maximum loaded vehicle mass is the sum of:

a) curb mass;

b) accessory mass;

c) vehicle capacity mass; and

d) production option mass.

Curb mass is the mass of a motor vehicle with standard equipment, including the maximum capacity of fuel, oil and coolant, and, if so equipped, of air conditioning and the additional mass of an optional engine.

Accessory mass is the combined mass (in excess of those standard items that may be replaced) of automatic transmission, power steering, power brakes, power windows, power seats, radio and heater, to the extent that these items are available as factory-installed equipment (whether installed or not).

Normal occupant mass is equivalent to 68 kg multiplied by the number of occupants, as specified in Table 7. When local regulation includes a luggage mass, a mass of 7 kg per occupant, located in the luggage compartment, shall be used. Occupant distribution is the distribution of occupants in a vehicle as specified in Table 7.

Table 7 — Occupant loading and distribution for vehicle normal load for various designated seating capacities

Designated seating capacity, number of occupants	Vehicle normal load, number of occupants	Occupant distribution in a normally loaded vehicle
2 to 4	2	2 in front
5 and above	3	2 in front, 1 in second seat

Vehicle capacity mass is the rated cargo and luggage load plus 68 kg multiplied by the vehicle designated seating capacity.

Production option mass is the combined mass of those installed regular production options, weighing over 2,3 kg in excess of those standard items they replace, not previously considered in curb mass or accessory mass, and including heavy duty brakes, ride levellers, roof rack, heavy duty battery and special trim.

11 Camber angle

Vehicle camber angles, especially under severe driving conditions, have an influence on tyre performance. For low aspect ratio tyres, increasing the camber angle above 2° makes constraints on the tyre performance, e.g. mileage, uneven wear and other criteria. Consult the tyre manufacturer for more information.

Generally, it is recommended that the camber angles of vehicles should not be greater than 4° including any tolerance.

On vehicles with speeds in excess of 270 km/h, it is recommended that the camber angle should not be greater than 3° including any tolerance.

Vehicle camber angles on a passenger car should not exceed the values for different aspect ratios in Table 8.

Table 8 — Maximum camber angle for different aspect ratios

Aspect ratio	Maximum camber angle	
	up to 270 km/h	above 270 km/h
80 to 50	4°	3°
45 to 30	4°	3°
25 to 20	2°	2°

The only way to compensate for camber angle is by increasing the inflation pressure with the camber factor as shown below. This shall be applied to tyres for all speeds.

The maximum inflation pressure of 350 kPa shall be observed. For a given size, if the calculated pressure exceeds the maximum, then this size is not suitable for this application.

For camber angle, γ, the camber factor, K_S, is calculated as follows:

— for aspect ratio 50 and above:

$$K_S = 1/(1{,}1 - 0{,}05 \times \gamma)^{1{,}25}$$

— for aspect ratio 45 to 30:

$$K_S = 1/(1{,}165 - 0{,}0825 \times \gamma)^{1{,}25}$$

See Table 9.

Table 9 — Compensation of camber angle by camber factor

Camber γ	Camber factor K_S	
	Aspect ratio 50 and above	Aspect ratio 45 to 30
2°	1	1
2° 15′	1,015 8	1,026 4
2° 30′	1,032 2	1,054 1
2° 45′	1,048 9	1,083 1
3°	1,066 2	1,113 6
3° 15′	1,084 0	1,145 7
3° 30′	1,102 4	1,179 5
3° 45′	1,121 3	1,215 2
4°	1,140 8	1,252 8

For the inflation pressure of sizes with aspect ratio 25 and 20, consult the tyre manufacturer.

Annex A
(normative)

Guideline values for metric-series tyres

Guidelines for design dimensions for metric-series tyres mounted on 5° rims (code-designated), with a nominal rim diameter expressed by a two-figure code, are given in Tables A.1 to A.9 as a function of the nominal aspect ratio.

Table A.1 — Nominal aspect ratio (H/S) of 95 to 75 (K_1 = 0,7; K_2 = 0,7)

Nominal section width S_N mm	Measuring rim width code R_{mc}	Design tyre dimensions mm						Approved rim width codes	
		Section width S	Section height, H, at H/S (%) of						
			95	90	85	80	75	min.	max.
95	2,5	94	90	86	81	76	71	2,5	3,0
105	3,0	106	100	95	89	84	79	2,5	3,5
115	3,0	113	109	104	98	92	86	3,0	4,0
125	3,5	126	119	113	106	100	94	3,0	4,0
135	3,5	133	128	122	115	108	101	3,5	4,5
145	4,0	145	138	131	123	116	109	3,5	5,0
155	4,5	157	147	140	132	124	116	4,0	5,0
165	4,5	165	157	149	140	132	124	4,0	5,5
175	5,0	177	166	158	149	140	131	4,5	6,0
185	5,0	184	176	167	157	148	139	4,5	6,0
195	5,5	196	185	176	166	156	146	5,0	6,5
205	5,5	203	195	185	174	164	154	5,0	7,0
215	6,0	216	204	194	183	172	161	5,5	7,0
225	6,0	223	—	203	191	180	169	6,0	7,5
235	6,5	235	—	—	200	188	176	6,0	8,0
245	7,0	248	—	—	208	196	184	6,5	8,0
255	7,0	255	—	—	—	204	191	6,5	8,5
265	7,5	267	—	—	—	—	199	7,0	9,0
275	7,5	274	—	—	—	—	206	7,0	9,0
285	8,0	286	—	—	—	—	214	7,5	9,5
295	8,0	294	—	—	—	—	221	7,5	10,0
305	8,5	306	—	—	—	—	229	8,0	10,0
315	8,5	313	—	—	—	—	236	8,0	10,5
Rims outside the approved range in use from previous designs are not approved for new designs.									

Table A.2 — Nominal aspect ratio (H/S) of 70 (K_1 = 0,7; K_2 = 0,75)

Nominal section width S_N mm	Measuring rim width code R_{mc}	Design tyre dimensions mm		Approved rim width codes	
		Section width S	Section height H	min.	max.
95	3,0	99	67	2,5	3,0
105	3,0	106	74	2,5	3,5
115	3,5	118	81	3,0	4,0
125	3,5	126	88	3,0	4,0
135	4,0	138	95	3,5	4,5
145	4,5	150	102	3,5	5,0
155	4,5	157	109	4,0	5,0
165	5,0	170	116	4,0	5,5
175	5,0	177	123	4,5	6,0
185	5,5	189	130	4,5	6,0
195	6,0	201	137	5,0	6,5
205	6,0	209	144	5,0	7,0
215	6,5	221	151	5,5	7,0
225	6,5	228	158	6,0	7,5
235	7,0	240	165	6,0	8,0
245	7,0	248	172	6,5	8,0
255	7,5	260	179	6,5	8,5
265	8,0	272	186	7,0	9,0
275	8,0	279	193	7,0	9,0
285	8,5	292	200	7,5	9,5
295	8,5	299	207	7,5	10,0
305	9,0	311	214	8,0	10,0
Rims outside the approved range in use from previous designs are not approved for new designs.					

Table A.3 — Nominal aspect ratio (H/S) of 65 and 60 (K_1 = 0,7; K_2 = 0,75)

Nominal section width S_N mm	Measuring rim width code R_{mc}	Design tyre dimensions mm			Approved rim width codes	
		Section width	Section height, H, at H/S (%) of			
		S	65	60	min.	max.
105	3,0	106	68	—	3,0	3,5
115	3,5	118	75	69	3,0	4,0
125	3,5	126	81	75	3,5	4,5
135	4,0	138	88	81	3,5	5,0
145	4,5	150	94	87	4,0	5,0
155	4,5	157	101	93	4,5	5,5
165	5,0	170	107	99	4,5	6,0
175	5,0	177	114	105	5,0	6,0
185	5,5	189	120	111	5,0	6,5
195	6,0	201	127	117	5,5	7,0
205	6,0	209	133	123	5,5	7,5
215	6,5	221	140	129	6,0	7,5
225	6,5	228	146	135	6,0	8,0
235	7,0	240	153	141	6,5	8,5
245	7,0	248	159	147	7,0	8,5
255	7,5	260	166	153	7,0	9,0
265	8,0	272	172	159	7,5	9,5
275	8,0	279	179	165	7,5	9,5
285	8,5	292	185	171	8,0	10,0
295	8,5	299	192	177	8,0	10,5
305	9,0	311	198	183	8,5	11,0
315	9,5	323	205	189	8,5	11,0
325	9,5	331	—	195	9,0	11,5
335	10,0	343	—	201	9,0	12,0
345	10,0	350	—	207	9,5	12,0
Rims outside the approved range in use from previous designs are not approved for new designs.						

Table A.4 — Nominal aspect ratio (H/S) of 55 and 50 (K_1 = 0,7; K_2 = 0,8)

Nominal section width S_N mm	Measuring rim width code R_{mc}	Design tyre dimensions mm			Approved rim width codes	
		Section width	Section height, H, at H/S (%) of			
		S	55	50	min.	max.
125	4,0	131	69	63	3,5	4,5
135	4,5	143	74	68	3,5	5,0
145	4,5	150	80	73	4,0	5,0
155	5,0	162	85	78	4,5	5,5
165	5,0	170	91	83	4,5	6,0
175	5,5	182	96	88	5,0	6,0
185	6,0	194	102	93	5,0	6,5
195	6,0	201	107	98	5,5	7,0
205	6,5	214	113	103	5,5	7,5
215	7,0	226	118	108	6,0	7,5
225	7,0	233	124	113	6,0	8,0
235	7,5	245	129	118	6,5	8,5
245	7,5	253	135	123	7,0	8,5
255	8,0	265	140	128	7,0	9,0
265	8,5	277	146	133	7,5	9,5
275	8,5	284	151	138	7,5	9,5
285	9,0	297	157	143	8,0	10,0
295	9,5	309	162	148	8,0	10,5
305	9,5	316	168	153	8,5	11,0
315	10,0	328	173	158	8,5	11,0
325	10,0	336	179	163	9,0	11,5
335	10,5	348	184	168	9,0	12,0
345	11,0	360	190	173	9,5	12,0
Rims outside the approved range in use from previous designs are not approved for new designs.						

Table A.5 — Nominal aspect ratio (H/S) of 45 (K_1 = 0,85; K_2 = 0,85)

Nominal section width S_N mm	Measuring rim width code R_{mc}	Design tyre dimensions mm		Approved rim width codes	
		Section width S	Section height H	min.	max.
155	5,0	153	70	5,0	6,0
165	5,5	165	74	5,0	6,0
175	6,0	176	79	5,5	6,5
185	6,0	183	83	6,0	7,0
195	6,5	195	88	6,0	7,5
205	7,0	206	92	6,5	7,5
215	7,0	213	97	7,0	8,0
225	7,5	225	101	7,0	8,5
235	8,0	236	106	7,5	9,0
245	8,0	243	110	7,5	9,0
255	8,5	255	115	8,0	9,5
265	9,0	266	119	8,5	10,0
275	9,0	273	124	8,5	10,5
285	9,5	285	128	9,0	10,5
295	10,0	296	133	9,5	11,0
305	10,0	303	137	9,5	11,5
315	10,5	315	142	10,0	12,0
325	11,0	326	146	10,0	12,0
335	11,0	333	151	10,5	12,5
345	11,5	345	155	11,0	13,0
355	12,0	356	160	11,0	13,5
365	12,0	363	164	11,5	13,5
Rims outside the approved range in use from previous designs are not approved for new designs.					

Table A.6 — Nominal aspect ratio (H/S) of 40 and 35 (K_1 = 0,85; K_2 = 0,9)

Nominal section width S_N mm	Measuring rim width code R_{mc}	Design tyre dimensions mm			Approved rim width codes	
		Section width	Section height, H, at H/S (%) of			
		S	40	35	min.	max.
165	6,0	170	66	—	5,5	6,5
175	6,0	176	70	—	6,0	7,0
185	6,5	188	74	65	6,0	7,5
195	7,0	200	78	68	6,5	7,5
205	7,5	212	82	72	7,0	8,0
215	7,5	218	86	75	7,0	8,5
225	8,0	230	90	79	7,5	9,0
235	8,5	241	94	82	8,0	9,5
245	8,5	248	98	86	8,0	9,5
255	9,0	260	102	89	8,5	10,0
265	9,5	271	106	93	9,0	10,5
275	9,5	278	110	96	9,0	11,0
285	10,0	290	114	100	9,5	11,0
295	10,5	301	118	103	10,0	11,5
305	11,0	313	122	107	10,0	12,0
315	11,0	320	126	110	10,5	12,5
325	11,5	331	130	114	11,0	13,0
335	12,0	343	134	117	11,0	13,0
345	12,0	350	138	121	11,5	13,5
355	12,5	361	142	124	12,0	14,0
365	13,0	373	146	128	12,0	14,5
375	13,5	385	—	131	12,5	15,0
385	13,5	391	—	135	13,0	15,0
395	14,0	403	—	138	13,0	15,5
405	14,5	415	—	142	13,5	16,0
Rims outside the approved range in use from previous designs are not approved for new designs.						

Table A.7 — Nominal aspect ratio (H/S) of 30 (K_1 = 0,85; K_2 = 0,9)

Nominal section width S_N mm	Measuring rim width code R_{mc}	Design tyre dimensions mm		Approved rim width codes	
		Section width S	Section height H	min.	max.
185	6,5	188	56	6,0	7,0
195	7,0	200	59	6,5	7,5
205	7,5	212	62	7,0	8,0
215	7,5	218	65	7,0	8,0
225	8,0	230	68	7,5	8,5
235	8,5	241	71	8,0	9,0
245	8,5	248	74	8,0	9,0
255	9,0	260	77	8,5	9,5
265	9,5	271	80	9,0	10,0
275	9,5	278	83	9,0	10,0
285	10,0	290	86	9,5	10,5
295	10,5	301	89	10,0	11,0
305	11,0	313	92	10,5	11,5
315	11,0	320	95	10,5	11,5
325	11,5	331	98	11,0	12,0
335	12,0	343	101	11,5	12,5
345	12,0	350	104	11,5	12,5
355	12,5	361	107	12,0	13,0
365	13,0	373	110	12,5	13,5
375	13,5	385	113	13,0	14,0
385	13,5	391	116	13,0	14,0
395	14,0	403	119	13,5	14,5
405	14,5	415	122	14,0	15,0
415	14,5	421	125	14,0	15,0
Rims outside the approved range in use from previous designs are not approved for new designs.					

Table A.8 — Nominal aspect ratio (H/S) of 25 (K_1 = 0,85; K_2 = 0,92)

Nominal section width S_N mm	Measuring rim width code R_{mc}	Design tyre dimensions mm		Approved rim width codes	
		Section width S	Section height H	min.	max.
305	11,0	313	76	10,5	11,5
315	11,5	325	79	11,0	12,0
325	12,0	336	81	11,5	12,5
335	12,0	343	84	11,5	12,5
345	12,5	355	86	12,0	13,0
355	13,0	366	89	12,5	13,5
365	13,0	373	91	12,5	13,5
375	13,5	385	94	13,0	14,0
385	14,0	396	96	13,5	14,5
395	14,5	408	99	14,0	15,0
405	14,5	415	101	14,0	15,0
415	15,0	426	104	14,5	15,5
425	15,5	438	106	15,0	16,0
435	16,0	450	109	15,5	16,5
445	16,0	456	111	15,5	16,5
455	16,5	468	114	16,0	17,0
465	17,0	480	116	16,5	17,5
Rims outside the approved range in use from previous designs are not approved for new designs.					

Table A.9 — Nominal aspect ratio (H/S) of 20 (K_1 = 0,85; K_2 = 0,92)

Nominal section width S_N mm	Measuring rim width code R_{mc}	Design tyre dimensions mm		Approved rim width codes	
		Section width S	Section height H	min.	max.
385	14,0	396	77	13,5	14,5
395	14,5	408	79	14,0	15,0
405	14,5	415	81	14,0	15,0
415	15,0	426	83	14,5	15,5
425	15,5	438	85	15,0	16,0
435	16,0	450	87	15,5	16,5
445	16,0	456	89	15,5	16,5
455	16,5	468	91	16,0	17,0
465	17,0	480	93	16,5	17,5
475	17,0	486	95	16,5	17,5
485	17,5	498	97	17,0	18,0
495	18,0	510	99	17,5	18,5
505	18,5	521	101	18,0	19,0
515	18,5	528	103	18,0	19,0
525	19,0	540	105	18,5	19,5
Rims outside the approved range in use from previous designs are not approved for new designs.					

Annex B
(normative)

Load capacity indices for passenger car tyres

Table B.1 gives tyre load capacity indices, grouped by nominal rim diameter and nominal aspect ratio, based on a reference pressure of 250 kPa for the standard load version, and 290 kPa for the reinforced or extra load version.

Table B.2 gives the load capacity indices for T-type temporary spare tyres, with a reference pressure of 420 kPa.

Table B.3 gives the load capacity indices for P-type light load (LL) tyres with a reference pressure of 250 kPa.

Table B.1 — Load capacity indices

Nominal section width	Nominal rim diameter code																													
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
80 SERIES																														
125	64	68	65	69	67	71	69	73	70	74	71	75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
135	[c]	[c]	[c]	[c]	72	76	73	77	75	79	76	80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
145	[c]	[c]	[c]	[c]	76	80	77	81	79	83	80	84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
155	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	83	87	84	88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
165	81	85	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	88	92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
175	85	89	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	92	96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
185	89	93	[c]	[c]	[c]	[c]	93	97	94	98	95	99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
195	92	96	93	97	[c]	[c]	[c]	[c]	[c]	[c]	99	103	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
205	95	99	97	101	[c]	[c]	99	103	[c]	[c]	102	105	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
215	98	102	100	104	100	104	[c]	[c]	[c]	[c]	105	108	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
225	100	104	101	105	103	106	[c]	[c]	106	110	108	111	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
235	102	106	104	107	106	109	107	111	[c]	[c]	110	114	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
245	105	108	107	110	108	112	110	113	111	115	113	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
255	108	111	109	113	111	114	112	116	114	116	115	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
265	110	114	112	115	113	116	115	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
275	113	116	114	116	116	116	[c]	[c]	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
285	115	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																											
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
75 SERIES																												
125	63	67	64	68	66	70	68	72	69	73	70	74	72	76	—	—	—	—	—	—	—	—	—	—	—	—	—	—
135	67	71	69	73	71	75	72	76	73	77	75	79	76	80	—	—	—	—	—	—	—	—	—	—	—	—	—	—
145	72	76	74	78	75	79	76	80	78	82	79	83	80	84	—	—	—	—	—	—	—	—	—	—	—	—	—	—
155	76	80	77	81	79	83	80	84	82	86	83	87	85	89	—	—	—	—	—	—	—	—	—	—	—	—	—	—
165	80	84	81	85	83	87	85	89	86	90	87	91	89	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—
175	84	88	85	89	c	c	88	92	89	93	91	95	92	96	—	—	—	—	—	—	—	—	—	—	—	—	—	—
185	87	91	89	93	c	c	92	96	93	97	94	98	95	99	—	—	—	—	—	—	—	—	—	—	—	—	—	—
195	90	94	92	96	c	c	c	c	96	100	97	101	99	103	—	—	—	—	—	—	—	—	—	—	—	—	—	—
205	94	98	95	99	c	c	c	c	99	103	100	104	101	104	—	—	—	—	—	—	—	—	—	—	—	—	—	—
215	97	101	98	102	c	c	c	c	c	c	102	106	104	107	—	—	—	—	—	—	—	—	—	—	—	—	—	—
225	99	103	100	104	c	c	c	c	c	c	105	109	107	110	—	—	—	—	—	—	—	—	—	—	—	—	—	—
235	100	104	102	105	103	107	c	c	c	c	c	c	109	113	—	—	—	—	—	—	—	—	—	—	—	—	—	—
245	102	106	104	108	106	109	c	c	c	c	c	c	112	115	—	—	—	—	—	—	—	—	—	—	—	—	—	—
255	105	109	107	110	108	112	c	c	111	115	c	c	114	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—
265	108	111	109	113	111	114	c	c	c	c	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—
275	110	114	112	115	113	116	115	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—
285	112	116	114	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—
295	115	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																													
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
70 SERIES																														
125	61	65	62	66	64	68	65	69	67	71	68	72	69	73	71	75	—	—	—	—	—	—	—	—	—	—	—	—	—	—
135	65	69	[c]	[c]	69	73	70	74	71	75	73	77	74	78	75	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—
145	[c]	[c]	[c]	[c]	73	77	[c]	[c]	76	80	77	81	78	82	79	83	—	—	—	—	—	—	—	—	—	—	—	—	—	—
155	[c]	[c]	[c]	[c]	77	81	78	82	80	84	81	85	82	86	84	88	—	—	—	—	—	—	—	—	—	—	—	—	—	—
165	[c]	[c]	[c]	[c]	[c]	[c]	82	86	84	88	85	89	86	90	88	92	—	—	—	—	—	—	—	—	—	—	—	—	—	—
175	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	87	91	89	93	90	94	91	95	—	—	—	—	—	—	—	—	—	—	—	—	—	—
185	85	89	[c]	[c]	[c]	[c]	[c]	[c]	91	95	[c]	[c]	93	97	94	98	—	—	—	—	—	—	—	—	—	—	—	—	—	—
195	88	92	[c]	[c]	[c]	[c]	[c]	[c]	94	98	95	99	96	100	98	102	—	—	—	—	—	—	—	—	—	—	—	—	—	—
205	91	95	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	98	102	99	103	100	104	—	—	—	—	—	—	—	—	—	—	—	—	—	—
215	94	98	96	100	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	102	105	103	106	—	—	—	—	—	—	—	—	—	—	—	—	—	—
225	97	101	99	103	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	104	108	106	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—
235	99	103	100	104	101	104	[c]	[c]	[c]	[c]	[c]	[c]	107	110	108	112	—	—	—	—	—	—	—	—	—	—	—	—	—	—
245	100	104	102	105	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	110	113	111	114	—	—	—	—	—	—	—	—	—	—	—	—	—	—
255	102	106	104	108	106	109	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	113	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—
265	105	108	107	110	108	112	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—
275	107	111	109	113	111	114	[c]	[c]	[c]	[c]	115	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—
285	110	113	111	115	113	116	[c]	[c]	116	116	[c]	[c]	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—
295	112	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—
305	114	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																													
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
65 SERIES																														
125	58	62	60	64	62	66	63	67	65	69	66	70	67	71	69	73	70	74	—	—	—	—	—	—	—	—	—	—	—	—
135	63	67	65	69	66	70	68	72	69	73	71	75	72	76	73	77	75	79	—	—	—	—	—	—	—	—	—	—	—	—
145	67	71	c	c	c	c	c	c	74	78	75	79	76	80	77	81	78	82	—	—	—	—	—	—	—	—	—	—	—	—
155	c	c	c	c	c	c	c	c	77	81	79	83	80	84	81	85	83	87	—	—	—	—	—	—	—	—	—	—	—	—
165	75	79	c	c	c	c	c	c	81	85	83	87	84	88	85	89	86	90	—	—	—	—	—	—	—	—	—	—	—	—
175	79	83	c	c	c	c	84	88	85	89	87	91	88	92	89	93	90	94	—	—	—	—	—	—	—	—	—	—	—	—
185	82	86	84	88	c	c	c	c	c	c	90	94	91	95	92	96	93	97	—	—	—	—	—	—	—	—	—	—	—	—
195	86	90	c	c	c	c	c	c	92	96	93	97	94	98	95	99	97	101	—	—	—	—	—	—	—	—	—	—	—	—
205	89	93	90	94	c	c	c	c	c	c	96	100	97	101	98	102	99	103	—	—	—	—	—	—	—	—	—	—	—	—
215	92	96	94	98	c	c	c	c	c	c	c	c	100	104	101	104	102	105	—	—	—	—	—	—	—	—	—	—	—	—
225	95	99	96	100	98	102	c	c	c	c	c	c	c	c	103	107	104	108	—	—	—	—	—	—	—	—	—	—	—	—
235	98	102	99	103	99	103	c	c	c	c	c	c	c	c	106	109	107	111	—	—	—	—	—	—	—	—	—	—	—	—
245	99	103	100	104	101	104	c	c	104	107	c	c	107	110	108	112	110	113	—	—	—	—	—	—	—	—	—	—	—	—
255	100	104	102	105	103	107	c	c	c	c	c	c	c	c	111	114	112	116	—	—	—	—	—	—	—	—	—	—	—	—
265	102	106	104	108	106	109	107	111	c	c	c	c	c	c	113	116	114	116	—	—	—	—	—	—	—	—	—	—	—	—
275	105	108	106	110	108	112	110	113	c	c	c	c	c	c	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—
285	107	110	109	112	110	114	112	115	c	c	c	c	116	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—
295	109	113	111	114	113	116	c	c	c	c	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—
305	111	115	113	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—
315	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—	—	—	—	—

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																											
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
60 SERIES																												
135	—	—	62	66	64	68	65	69	67	71	68	72	69	73	71	75	72	76	73	77	74	78	—	—	—	—	—	—	—	—
145	—	—	66	70	68	72	69	73	71	75	72	76	74	78	75	79	76	80	77	81	78	82	—	—	—	—	—	—	—	—
155	—	—	70	74	72	76	c	c	75	79	76	80	77	81	79	83	80	84	81	85	82	86	—	—	—	—	—	—	—	—
165	—	—	c	c	c	c	c	c	79	83	80	84	81	85	83	87	84	88	85	89	86	90	—	—	—	—	—	—	—	—
175	—	—	c	c	c	c	c	c	c	c	84	88	85	89	86	90	88	92	89	93	89	93	—	—	—	—	—	—	—	—
185	—	—	c	c	c	c	c	c	86	90	87	91	88	92	89	93	91	95	92	96	93	97	—	—	—	—	—	—	—	—
195	—	—	c	c	c	c	c	c	c	c	90	94	92	96	93	97	94	98	95	99	96	100	—	—	—	—	—	—	—	—
205	—	—	c	c	c	c	c	c	c	c	c	c	95	99	96	100	97	101	98	102	99	103	—	—	—	—	—	—	—	—
215	—	—	c	c	c	c	c	c	c	c	c	c	98	102	99	103	100	104	101	104	102	105	—	—	—	—	—	—	—	—
225	—	—	94	98	c	c	c	c	c	c	c	c	c	c	101	104	102	105	103	107	105	108	—	—	—	—	—	—	—	—
235	—	—	c	c	c	c	c	c	c	c	c	c	c	c	103	107	105	108	106	109	107	111	—	—	—	—	—	—	—	—
245	—	—	99	103	c	c	c	c	c	c	c	c	c	c	c	c	107	111	108	112	110	113	—	—	—	—	—	—	—	—
255	—	—	99	103	c	c	c	c	c	c	c	c	c	c	c	c	109	113	111	114	112	116	—	—	—	—	—	—	—	—
265	—	—	101	105	c	c	c	c	c	c	c	c	c	c	110	114	112	115	113	116	114	116	—	—	—	—	—	—	—	—
275	—	—	104	107	c	c	c	c	c	c	c	c	c	c	113	116	c	c	115	116	116	116	—	—	—	—	—	—	—	—
285	—	—	106	109	108	111	109	113	c	c	c	c	c	c	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
295	—	—	108	112	110	113	c	c	113	116	114	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
305	—	—	110	114	112	115	114	116	115	116	116	116	c	c	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
315	—	—	112	116	114	116	c	c	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
325	—	—	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
335	—	—	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
345	—	—	116	116	116	116	116	116	116	116	c	c	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																													
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
55 SERIES																														
155	—	—	—	—	c	c	71	75	72	76	74	78	75	79	76	80	77	81	79	83	80	84	—	—	—	—	—	—	—	—
165	—	—	—	—	c	c	c	c	76	80	78	82	79	83	80	84	81	85	83	87	84	88	—	—	—	—	—	—	—	—
175	—	—	—	—	77	81	c	c	80	84	81	85	82	86	84	88	85	89	86	90	87	91	—	—	—	—	—	—	—	—
185	—	—	—	—	c	c	c	c	83	87	85	89	86	90	87	91	88	92	89	93	91	95	—	—	—	—	—	—	—	—
195	—	—	—	—	c	c	c	c	c	c	88	92	89	93	90	94	91	95	93	97	94	98	—	—	—	—	—	—	—	—
205	—	—	—	—	c	c	c	c	c	c	c	c	c	c	93	97	95	99	96	100	97	101	—	—	—	—	—	—	—	—
215	—	—	—	—	90	94	c	c	c	c	c	c	c	c	96	100	97	101	98	102	99	103	—	—	—	—	—	—	—	—
225	—	—	—	—	c	c	c	c	c	c	c	c	c	c	99	103	100	104	101	104	102	105	—	—	—	—	—	—	—	—
235	—	—	—	—	95	99	c	c	c	c	c	c	c	c	c	c	102	105	103	107	104	108	—	—	—	—	—	—	—	—
245	—	—	—	—	98	102	99	103	100	104	c	c	c	c	103	107	104	108	106	109	107	110	—	—	—	—	—	—	—	—
255	—	—	—	—	c	c	c	c	c	c	c	c	c	c	c	c	107	110	108	112	109	113	—	—	—	—	—	—	—	—
265	—	—	—	—	100	104	102	105	103	107	c	c	c	c	c	c	109	113	110	114	112	115	—	—	—	—	—	—	—	—
275	—	—	—	—	102	106	c	c	106	109	c	c	c	c	c	c	c	c	113	116	114	116	—	—	—	—	—	—	—	—
285	—	—	—	—	105	108	106	110	108	111	109	113	c	c	c	c	c	c	115	116	116	116	—	—	—	—	—	—	—	—
295	—	—	—	—	107	110	109	112	110	114	111	115	113	116	114	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
305	—	—	—	—	109	113	111	114	112	116	114	116	115	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
315	—	—	—	—	111	115	113	116	114	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
325	—	—	—	—	113	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
335	—	—	—	—	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—
345	—	—	—	—	116	116	c	c	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—	—	—	—	—

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																											
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
50 SERIES																												
165	—	—	—	—	70	74	c	c	c	c	75	79	76	80	77	81	78	82	80	84	81	85	82	86	83	87	—	—	—	—
175	—	—	—	—	74	78	75	79	77	81	78	82	79	83	81	85	82	86	83	87	85	89	86	90	87	91	—	—	—	—
185	—	—	—	—	77	81	79	83	c	c	82	86	83	87	84	88	86	90	87	91	88	92	89	93	90	94	—	—	—	—
195	—	—	—	—	80	84	c	c	c	c	85	89	86	90	88	92	89	93	90	94	91	95	92	96	93	97	—	—	—	—
205	—	—	—	—	c	c	c	c	c	c	c	c	89	93	90	94	92	96	93	97	94	98	95	99	96	100	—	—	—	—
215	—	—	—	—	87	91	c	c	c	c	c	c	92	96	93	97	94	98	96	100	97	101	98	102	99	103	—	—	—	—
225	—	—	—	—	c	c	c	c	c	c	c	c	c	c	96	100	97	101	98	102	99	103	100	104	102	105	—	—	—	—
235	—	—	—	—	92	96	94	98	c	c	c	c	c	c	99	103	100	104	101	104	102	105	103	107	104	108	—	—	—	—
245	—	—	—	—	c	c	c	c	c	c	c	c	c	c	c	c	102	105	103	106	104	108	105	109	107	110	—	—	—	—
255	—	—	—	—	97	101	99	103	c	c	c	c	c	c	c	c	c	c	c	c	107	110	108	111	109	113	—	—	—	—
265	—	—	—	—	c	c	c	c	c	c	102	105	103	107	c	c	c	c	108	111	109	112	110	114	111	115	—	—	—	—
275	—	—	—	—	100	104	c	c	c	c	c	c	c	c	c	c	c	c	110	113	111	115	112	116	114	116	—	—	—	—
285	—	—	—	—	102	105	c	c	105	108	106	110	c	c	109	113	c	c	112	115	c	c	114	116	116	116	—	—	—	—
295	—	—	—	—	104	107	c	c	c	c	109	112	110	114	111	115	c	c	114	116	115	116	116	116	116	116	—	—	—	—
305	—	—	—	—	106	110	c	c	110	113	111	114	112	116	114	116	c	c	116	116	116	116	116	116	116	116	—	—	—	—
315	—	—	—	—	108	112	110	113	111	115	113	116	114	116	115	116	116	116	116	116	c	c	116	116	116	116	—	—	—	—
325	—	—	—	—	110	114	c	c	113	116	115	116	116	116	116	116	c	c	116	116	116	116	116	116	116	116	—	—	—	—
335	—	—	—	—	112	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—
345	—	—	—	—	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																											
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
45 SERIES																												
185	—	—	—	—	74	78	75	79	76	80	78	82	79	83	80	84	82	86	83	87	84	88	85	89	86	90	—	—	—	—
195	—	—	—	—	77	81	78	82	[c]	[c]	81	85	83	87	84	88	85	89	86	90	88	92	89	93	89	93	—	—	—	—
205	—	—	—	—	80	84	81	85	[c]	[c]	[c]	[c]	86	90	87	91	88	92	89	93	90	94	91	95	92	96	—	—	—	—
215	—	—	—	—	83	87	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	90	94	91	95	92	96	93	97	94	98	95	99	—	—	—	—
225	—	—	—	—	[c]	[c]	87	91	89	93	[c]	[c]	[c]	[c]	92	96	94	98	95	99	96	100	97	101	98	102	—	—	—	—
235	—	—	—	—	88	92	[c]	[c]	91	95	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	97	101	99	103	99	103	100	104	—	—	—	—
245	—	—	—	—	91	95	92	96	[c]	[c]	[c]	[c]	[c]	[c]	98	102	99	103	100	104	101	104	102	105	103	106	—	—	—	—
255	—	—	—	—	93	97	[c]	[c]	96	100	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	103	107	104	108	105	109	—	—	—	—
265	—	—	—	—	96	100	97	101	98	102	100	104	101	104	102	105	[c]	[c]	104	108	105	109	107	110	108	111	—	—	—	—
275	—	—	—	—	98	102	99	103	101	104	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	107	110	[c]	[c]	109	113	110	114	—	—	—	—
285	—	—	—	—	100	104	101	105	103	106	104	108	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	111	115	112	116	—	—	—	—
295	—	—	—	—	102	106	104	107	105	109	107	110	[c]	[c]	[c]	[c]	[c]	[c]	111	115	[c]	[c]	114	116	115	116	—	—	—	—
305	—	—	—	—	104	108	106	109	107	111	[c]	[c]	110	113	111	115	[c]	[c]	113	116	[c]	[c]	115	116	[c]	[c]	—	—	—	—
315	—	—	—	—	107	110	108	112	109	113	[c]	[c]	112	116	113	116	114	116	116	116	116	116	116	116	116	116	—	—	—	—
325	—	—	—	—	109	112	110	114	111	115	113	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—
335	—	—	—	—	111	114	112	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—
345	—	—	—	—	113	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—
355	—	—	—	—	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	—	—	—	—

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																											
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
40 SERIES																												
205	—	—	—	—	76	80	77	81	c	c	c	c	82	86	83	87	84	88	86	90	87	91	88	92	89	93	90	94	91	95
215	—	—	—	—	79	83	80	84	82	86	c	c	c	c	86	90	87	91	88	92	89	93	90	94	92	96	93	97	93	97
225	—	—	—	—	82	86	83	87	85	89	86	90	c	c	c	c	90	94	91	95	92	96	93	97	94	98	95	99	96	100
235	—	—	—	—	84	88	86	90	87	91	c	c	c	c	c	c	92	96	94	98	95	99	96	100	97	101	98	102	99	103
245	—	—	—	—	87	91	88	92	90	94	c	c	c	c	c	c	95	99	96	100	97	101	98	102	99	103	100	104	101	104
255	—	—	—	—	89	93	91	95	92	96	c	c	c	c	c	c	97	101	98	102	99	103	100	104	101	105	102	106	103	107
265	—	—	—	—	92	96	93	97	95	99	96	100	97	101	98	102	100	104	c	c	c	c	103	106	104	107	105	108	106	109
275	—	—	—	—	94	98	95	99	97	101	c	c	99	103	c	c	c	c	c	c	104	107	105	109	106	110	107	110	108	111
285	—	—	—	—	96	100	c	c	99	103	c	c	c	c	c	c	c	c	105	109	c	c	107	111	108	112	109	113	110	114
295	—	—	—	—	98	102	100	104	101	104	c	c	c	c	105	108	c	c	107	111	c	c	109	113	c	c	111	115	112	116
305	—	—	—	—	100	104	102	105	103	107	104	108	106	109	107	110	108	112	109	113	c	c	c	c	c	c	114	116	114	116
315	—	—	—	—	102	106	104	107	105	109	106	110	108	111	c	c	110	114	111	115	112	116	c	c	115	116	c	c	c	c
325	—	—	—	—	104	108	106	109	107	111	109	112	110	113	111	115	112	116	113	116	c	c	115	116	116	116	116	116	116	116
335	—	—	—	—	106	110	108	111	109	113	110	114	112	115	113	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116
345	—	—	—	—	108	112	110	113	111	115	112	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
355	—	—	—	—	110	114	112	115	113	116	114	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
365	—	—	—	—	112	115	113	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
375	—	—	—	—	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																											
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
35 SERIES																												
235	—	—	—	—	—	—	81	85	86	87	84	88	86	90	87	91	88	92	89	93	90	94	91	95	93	97	93	97	94	98
245	—	—	—	—	—	—	84	88	86	90	87	91	88	92	[c]	[c]	91	95	92	96	93	97	94	98	95	99	96	100	97	101
255	—	—	—	—	—	—	86	90	88	92	89	93	[c]	[c]	92	96	[c]	[c]	94	98	95	99	96	100	97	101	98	102	99	103
265	—	—	—	—	—	—	89	93	90	94	92	96	93	97	94	98	95	99	97	101	98	102	99	103	100	104	101	104	101	105
275	—	—	—	—	—	—	91	95	92	96	94	98	95	99	96	100	[c]	[c]	99	103	100	104	101	104	102	105	102	106	103	107
285	—	—	—	—	—	—	93	97	95	99	96	100	97	101	[c]	[c]	100	104	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	105	108	106	109
295	—	—	—	—	—	—	95	99	97	101	98	102	99	103	100	104	101	105	[c]	[c]	[c]	[c]	105	108	[c]	[c]	107	110	108	111
305	—	—	—	—	—	—	97	101	99	103	100	104	101	105	[c]	[c]	104	107	[c]	[c]	[c]	[c]	[c]	[c]	[c]	[c]	109	113	110	114
315	—	—	—	—	—	—	99	103	100	104	[c]	[c]	103	107	104	108	[c]	[c]	[c]	[c]	108	111	109	112	[c]	[c]	111	115	112	115
325	—	—	—	—	—	—	101	104	102	106	104	107	105	109	106	110	108	111	109	112	110	114	111	115	112	116	113	116	114	116
335	—	—	—	—	—	—	103	106	104	108	[c]	[c]	107	110	108	112	109	113	111	114	112	115	113	116	114	116	115	116	116	116
345	—	—	—	—	—	—	[c]	[c]	106	110	108	111	[c]	[c]	[c]	[c]	111	115	113	116	114	116	115	116	116	116	116	116	116	116
355	—	—	—	—	—	—	107	110	108	111	109	113	111	114	112	115	113	116	114	116	115	116	116	116	116	116	116	116	116	116
365	—	—	—	—	—	—	109	112	110	114	111	115	113	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116
375	—	—	—	—	—	—	110	114	112	115	113	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
385	—	—	—	—	—	—	112	116	113	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
395	—	—	—	—	—	—	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
405	—	—	—	—	—	—	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																													
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
30 SERIES																														
265	—	—	—	—	—	—	—	—	—	—	87	91	88	92	89	93	[c]	[c]	92	96	93	97	94	98	95	99	96	100	97	101
275	—	—	—	—	—	—	—	—	—	—	89	93	90	94	92	96	93	97	94	98	95	99	96	100	97	101	98	102	99	103
285	—	—	—	—	—	—	—	—	—	—	91	95	93	97	94	98	95	99	96	100	97	101	98	102	99	103	100	104	101	104
295	—	—	—	—	—	—	—	—	—	—	93	97	94	98	96	100	97	101	98	102	99	103	100	104	101	104	102	106	103	107
305	—	—	—	—	—	—	—	—	—	—	95	99	96	100	98	102	99	103	100	104	[c]	[c]	102	105	103	107	104	108	[c]	[c]
315	—	—	—	—	—	—	—	—	—	—	97	101	98	102	100	104	101	104	102	105	[c]	[c]	104	108	[c]	[c]	106	110	107	111
325	—	—	—	—	—	—	—	—	—	—	99	103	100	104	101	105	102	106	[c]	[c]	105	108	106	109	107	110	108	112	109	113
335	—	—	—	—	—	—	—	—	—	—	101	104	[c]	[c]	103	107	[c]	[c]	106	109	107	110	108	111	109	112	110	113	111	114
345	—	—	—	—	—	—	—	—	—	—	102	106	104	107	[c]	[c]	106	110	107	111	109	112	110	113	111	114	112	115	113	116
355	—	—	—	—	—	—	—	—	—	—	104	108	105	109	107	110	108	112	109	113	110	114	111	115	113	116	114	116	115	116
365	—	—	—	—	—	—	—	—	—	—	106	109	107	111	109	112	110	113	111	115	112	116	113	116	114	116	115	116	116	116
375	—	—	—	—	—	—	—	—	—	—	108	111	109	113	110	114	111	115	113	116	114	116	115	116	116	116	116	116	116	116
385	—	—	—	—	—	—	—	—	—	—	109	113	111	114	112	115	113	116	114	116	115	116	116	116	116	116	116	116	116	116
395	—	—	—	—	—	—	—	—	—	—	111	115	112	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116
405	—	—	—	—	—	—	—	—	—	—	113	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
415	—	—	—	—	—	—	—	—	—	—	114	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																													
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
25 SERIES																														
325	—	—	—	—	—	—	—	—	—	—	93	97	94	98	95	99	97	101	98	102	99	103	100	104	101	104	102	105	103	106
335	—	—	—	—	—	—	—	—	—	—	95	99	96	100	98	102	99	103	100	104	[c]	[c]	102	105	103	106	104	107	105	108
345	—	—	—	—	—	—	—	—	—	—	96	100	98	102	99	103	100	104	101	104	102	106	103	107	104	108	105	109	106	110
355	—	—	—	—	—	—	—	—	—	—	98	102	100	104	[c]	[c]	102	105	103	107	104	108	105	109	106	110	107	111	108	112
365	—	—	—	—	—	—	—	—	—	—	100	104	101	104	102	106	103	107	104	108	106	109	107	110	108	111	109	112	110	114
375	—	—	—	—	—	—	—	—	—	—	101	105	103	106	104	108	105	109	106	110	108	111	109	112	110	113	111	114	112	115
385	—	—	—	—	—	—	—	—	—	—	103	106	104	108	105	109	107	110	108	111	109	113	110	114	111	115	112	116	113	116
395	—	—	—	—	—	—	—	—	—	—	105	108	106	109	107	111	109	112	110	113	111	114	112	115	113	116	114	116	115	116
405	—	—	—	—	—	—	—	—	—	—	106	110	107	111	109	112	110	113	111	115	112	116	113	116	114	116	115	116	116	116
415	—	—	—	—	—	—	—	—	—	—	108	111	109	113	110	114	112	115	113	116	114	116	115	116	116	116	116	116	116	116
425	—	—	—	—	—	—	—	—	—	—	109	113	110	114	112	115	113	116	114	116	115	116	116	116	116	116	116	116	116	116
435	—	—	—	—	—	—	—	—	—	—	111	114	112	116	113	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116
445	—	—	—	—	—	—	—	—	—	—	112	116	113	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
455	—	—	—	—	—	—	—	—	—	—	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
465	—	—	—	—	—	—	—	—	—	—	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.1 (*continued*)

Nominal section width	Nominal rim diameter code																													
	12		13		14		15		16		17		18		19		20		21		22		23		24		25		26	
	SL[a]	XL[b]	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL	SL	XL
20 SERIES																														
405	—	—	—	—	—	—	—	—	—	—	99	103	100	104	101	105	103	106	104	107	105	109	106	110	107	111	108	112	109	113
415	—	—	—	—	—	—	—	—	—	—	100	104	101	105	103	106	104	108	105	109	106	110	108	111	109	112	110	113	111	114
425	—	—	—	—	—	—	—	—	—	—	102	105	103	106	104	108	105	109	107	110	108	111	109	113	110	114	111	115	112	116
435	—	—	—	—	—	—	—	—	—	—	103	107	104	108	106	109	107	110	108	112	109	113	110	114	112	115	113	116	114	116
445	—	—	—	—	—	—	—	—	—	—	104	108	106	109	107	111	108	112	110	113	111	114	112	115	113	116	114	116	115	116
455	—	—	—	—	—	—	—	—	—	—	106	109	107	111	109	112	110	113	111	115	112	116	113	116	114	116	115	116	116	116
465	—	—	—	—	—	—	—	—	—	—	107	111	109	112	110	113	111	115	112	116	114	116	115	116	116	116	116	116	116	116
475	—	—	—	—	—	—	—	—	—	—	109	112	110	113	111	115	112	116	114	116	115	116	116	116	116	116	116	116	116	116
485	—	—	—	—	—	—	—	—	—	—	110	113	111	115	113	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116
495	—	—	—	—	—	—	—	—	—	—	111	115	113	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116
505	—	—	—	—	—	—	—	—	—	—	112	116	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
515	—	—	—	—	—	—	—	—	—	—	114	116	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
525	—	—	—	—	—	—	—	—	—	—	115	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116

[a] SL: standard load version; based on a reference pressure of 250 kPa.

[b] XL: reinforced or extra load version; based on a reference pressure of 290 kPa.

[c] Not internationally harmonized. See published local standards.

Table B.2 — Load capacity indices for T-type standard load tyres with a reference pressure of 420 kPa

Tyre designation	Load index	Tyre designation	Load index
T 135/60_[a]16	92	T 125/80_[a]15	95
T 105/70_[a]14	84	T 135/80_[a]15	100
T 115/70_[a]14	88	T 115/80_[a]16	92
T 125/70_[a]14	93	T 125/80_[a]16	97
T 135/70_[a]14	97	T 135/80_[a]16	101
T 105/70_[a]15	85	T 145/80_[a]16	105
T 115/70_[a]15	90	T 155/80_[a]16	109
T 125/70_[a]15	95	T 135/80_[a]17	103
T 135/70_[a]15	99	T 135/80_[a]18	104
T 105/70_[a]16	87	T 125/85_[a]15	97
T 115/70_[a]16	92	T 105/90_[a]12	80
T 125/70_[a]16	96	T 115/90_[a]12	86
T 135/70_[a]16	100	T 125/90_[a]12	90
T 125/70_[a]17	98	T 125/90_[a]15	96
T 135/70_[a]17	102	T 135/90_[a]15	100
T 145/70_[a]17	106	T 125/90_[a]16	98
T 155/70_[a]17	110	T 135/90_[a]16	102
T 125/70_[a]18	99	T 145/90_[a]16	106
T 105/80_[a]13	82	T 155/90_[a]16	110
T 125/80_[a]13	92	T 165/90_[a]17	115
T 135/80_[a]14	97	T 105/95_[a]17	90

[a] D, B or R to be inserted here, depending on the tyre structure.

Table B.3 — Load capacity indices for P-type light load (LL) tyres with a reference pressure of 250 kPa

Nominal section width	Nominal rim diameter code												
	14	15	16	17	18	19	20	21	22	23	24	25	26
45 SERIES													
185	68	70	72	73	75	76	78	79	80	82	83	—	—
195	71	73	75	76	78	79	81	82	83	85	86	—	—
205	74	76	a	79	80	82	84	85	86	88	89	—	—
215	77	78	80	82	83	85	86	88	89	90	91	—	—
225	a	a	83	a	86	87	89	90	91	93	94	—	—
235	82	84	85	a	a	90	91	92	94	95	96	—	—
245	85	86	a	a	91	92	93	95	96	97	98	—	—
255	87	89	90	a	a	a	96	97	98	99	100	—	—
265	89	91	a	94	95	97	98	99	100	101	102	—	—
275	91	93	94	96	97	99	100	101	102	103	105	—	—
285	93	95	96	98	99	101	102	103	104	105	107	—	—
295	95	97	99	100	a	102	104	105	106	108	109	—	—
305	98	99	100	a	103	104	106	107	108	110	111	—	—
315	99	101	102	a	105	106	108	109	110	111	113	—	—
325	101	103	104	106	107	108	110	111	112	113	115	—	—
335	103	104	106	108	109	110	112	113	114	115	116	—	—
345	105	106	108	109	111	112	113	115	116	116	116	—	—
355	107	108	110	111	113	114	115	116	116	116	116	—	—
40 SERIES													
205	71	73	a	a	78	79	80	82	83	85	86	87	88
215	74	75	77	a	a	82	83	85	86	87	88	89	91
225	76	78	80	81	a	85	86	87	88	90	91	92	93
235	79	80	82	a	a	87	88	89	91	92	93	94	95
245	81	83	85	a	a	89	a	92	93	94	95	97	98
255	84	85	87	a	a	a	93	94	95	97	98	99	100
265	86	88	89	a	a	94	95	96	98	99	100	101	102
275	88	90	91	a	a	a	97	98	99	101	102	103	104
285	90	92	93	a	a	98	99	100	101	102	104	105	106
295	92	94	95	97	98	100	a	102	103	104	106	107	108
305	94	96	97	99	100	101	103	104	105	106	108	109	110
315	96	98	99	101	a	a	105	106	107	108	110	111	112
325	98	100	101	102	104	105	107	108	109	110	111	113	114
335	100	101	103	104	106	107	108	110	111	112	113	114	115
345	102	103	105	106	108	109	110	111	113	114	115	116	116
355	103	105	106	108	109	111	112	113	114	116	116	116	116
365	105	107	108	110	111	112	114	115	116	116	116	116	116
375	107	108	110	111	113	114	115	116	116	116	116	116	116

Table B.3 (*continued*)

Nominal section width	Nominal rim diameter code												
	14	15	16	17	18	19	20	21	22	23	24	25	26
35 SERIES													
215	—	68	70	71	[a]	[a]	76	77	78	80	81	82	83
235	—	73	75	76	78	79	81	82	83	85	86	87	88
245	—	75	77	79	[a]	82	83	85	86	87	88	89	90
255	—	78	79	81	[a]	84	85	87	88	89	90	92	93
265	—	80	82	83	[a]	86	88	89	90	91	93	94	95
275	—	82	84	85	[a]	88	[a]	91	92	93	94	96	97
285	—	84	86	[a]	[a]	[a]	92	93	94	95	96	98	99
295	—	86	88	89	[a]	92	94	95	96	97	98	99	100
305	—	88	90	91	93	94	95	97	98	99	100	101	102
315	—	90	92	[a]	95	96	97	99	100	101	102	103	104
325	—	92	94	95	96	98	99	100	101	102	104	105	106
335	—	94	95	[a]	98	99	101	102	103	104	105	107	108
345	—	96	97	99	100	101	102	103	105	106	107	108	109
355	—	97	99	100	101	103	104	105	107	108	109	110	111
365	—	99	100	102	103	104	106	107	108	109	111	112	113
375	—	100	102	103	105	106	107	109	110	111	112	113	114
385	—	102	103	105	106	108	109	110	111	113	114	115	116
395	—	104	105	107	108	109	111	112	113	114	115	116	116
405	—	105	107	108	110	111	112	113	115	116	116	116	116
30 SERIES													
265	—	—	—	80	81	83	84	86	87	88	89	90	92
275	—	—	—	82	84	85	86	88	89	90	91	92	94
285	—	—	—	84	86	87	88	89	91	92	93	94	95
295	—	—	—	86	88	89	90	92	93	94	95	96	97
305	—	—	—	88	89	91	92	93	95	96	97	98	99
315	—	—	—	90	[a]	93	94	95	96	98	99	100	101
325	—	—	—	92	93	[a]	96	97	98	99	100	101	102
335	—	—	—	93	[a]	96	98	99	100	101	102	103	104
345	—	—	—	95	[a]	[a]	99	100	101	103	104	105	106
355	—	—	—	97	98	99	101	102	103	104	105	107	108
365	—	—	—	98	100	101	102	103	105	106	107	108	109
375	—	—	—	100	101	102	104	105	106	108	109	110	111
385	—	—	—	101	103	104	105	107	108	109	110	111	112
395	—	—	—	103	104	106	107	108	109	111	112	113	114
405	—	—	—	104	106	107	109	110	111	112	113	114	115
415	—	—	—	106	107	109	110	111	112	114	115	116	116

Table B.3 (*continued*)

Nominal section width	Nominal rim diameter code												
	14	15	16	17	18	19	20	21	22	23	24	25	26
25 SERIES													
325	—	—	—	88	89	91	92	94	95	96	97	98	99
335	—	—	—	90	91	93	94	95	96	98	99	100	101
345	—	—	—	92	93	94	96	97	98	99	100	101	102
355	—	—	—	93	95	96	97	99	100	101	102	103	104
365	—	—	—	95	96	98	99	100	101	102	103	104	106
375	—	—	—	96	98	99	100	101	103	104	105	106	107
385	—	—	—	98	99	100	102	103	104	105	107	108	109
395	—	—	—	99	101	102	103	104	106	107	108	109	110
405	—	—	—	101	102	103	105	106	107	108	110	111	112
415	—	—	—	102	104	105	106	108	109	110	111	112	113
425	—	—	—	104	105	106	108	109	110	111	112	114	115
435	—	—	—	105	106	108	109	110	112	113	114	115	116
445	—	—	—	107	108	109	110	112	113	114	115	116	116
455	—	—	—	108	109	111	112	113	114	115	116	116	116
465	—	—	—	109	111	112	113	114	116	116	116	116	116
20 SERIES													
405	—	—	—	97	98	100	101	102	103	104	106	107	108
415	—	—	—	99	100	101	102	103	105	106	107	108	109
425	—	—	—	100	101	102	104	105	106	107	109	110	111
435	—	—	—	101	102	104	105	106	108	109	110	111	112
445	—	—	—	102	104	105	106	108	109	110	111	112	113
455	—	—	—	104	105	107	108	109	110	111	113	114	115
465	—	—	—	105	107	108	109	110	112	113	114	115	116
475	—	—	—	107	108	109	110	112	113	114	115	116	116
485	—	—	—	108	109	111	112	113	114	115	116	116	116
495	—	—	—	109	110	112	113	114	115	116	116	116	116
505	—	—	—	110	112	113	114	115	116	116	116	116	116
515	—	—	—	112	113	114	116	116	116	116	116	116	116
525	—	—	—	113	114	116	116	116	116	116	116	116	116

[a] Not internationally harmonized. See published local standards.