
Motorcycle tyres and rims (metric series) —

**Part 2:
Tyre dimensions and load-carrying capacities**

Pneumatiques et jantes pour motocycles (séries millimétriques) —

Partie 2: Cotes et capacités de charge des pneumatiques



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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.

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 5751-2 was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*, Subcommittee SC 10, *Cycle, moped, motorcycle tyres and rims*.

This fifth edition cancels and replaces the fourth edition (ISO 5751-2:2002), which has been technically revised.

ISO 5751 consists of the following parts, under the general title *Motorcycle tyres and rims (metric series)*:

- *Part 1: Design guides*
- *Part 2: Tyre dimensions and load-carrying capacities*
- *Part 3: Range of approved rim contours*

Motorcycle tyres and rims (metric series) —

Part 2:

Tyre dimensions and load-carrying capacities

1 Scope

This part of ISO 5751 specifies the tyre size designation, dimensions and load-carrying capacities of metric-series motorcycle tyres. It is applicable to such tyres with a height-to-width ratio of 100 % and below.

NOTE See ISO 4249 for motorcycle tyres and rims (code-designated series) of rim diameter codes 13 and above, and ISO 6054 for those of codes 12 and below.

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

ISO 5751-1:2004, *Motorcycle tyres and rims (metric series) — Part 1: Design guides*

ISO 5751-3, *Motorcycle tyres and rims (metric series) — Part 3: Range of approved rim contours*

3 Terms and definitions

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

4 Tyre designation

4.1 General

The tyre designation shall be as specified in ISO 5751-1, completed by the addition of the service description, i.e. load index and speed symbol.

4.2 Tyre construction code

The tables in this part of ISO 5751 show, as examples, tyre size designations for tyres in diagonal construction. However, a motorcycle tyre having, for example, a

- nominal section width of 100 mm,
- nominal aspect ratio of 90,
- nominal rim diameter code of 18 M/C,

- load-carrying capacity of 224 kg (corresponding to load index 56), and
 - reference speed of 150 km/h (corresponding to speed symbol “P”),
- shall be marked, depending on its construction characteristics, as follows.

Diagonal-ply construction:	100/90 – 18M/C 56 P
Bias-belted construction:	100/90 B 18M/C 56 P
Radial-ply construction:	100/90 R 18M/C 56 P

NOTE For tyres suitable for speeds greater than 240 km/h, see ISO 5751-1.

4.3 Other markings

For tyres having a nominal rim diameter code 16 M/C or higher, the suffix M/C is not required if the tyre was manufactured before May 2003.

Extra-load version tyres shall be additionally marked either “Extra Load” or “REINF” (for *reinforced*).

5 Tyre dimensions

5.1 General

Tables 1 to 11 present the

- a) tyre size designation,
- b) measuring rim width code,
- c) design tyre dimensions, i.e. section width and overall diameter, and
- d) maximum tyre dimensions in service, i.e. overall width and diameter for the various types of tread configurations (see Clause 7) to be considered by vehicle manufacturers in designing for tyre clearances.

NOTE The maximum dimensions in service do not include the values of the centrifugal radius (see ISO 5751-1).

5.2 Measuring procedure

Mount the tyre on a rim chosen according to ISO 5751-3, approved for the respective tyre size and ready for fitting. Inflate as follows.

- a) For normal-load version tyres:
 - 225 kPa for speed symbols “S” and lower;
 - 280 kPa for speed symbols “T” and higher.
- b) For extra-load version tyres:
 - 280 kPa for speed symbols “P” and lower;
 - 330 kPa for speed symbols “Q” and higher.
- c) For light-load version tyres: 175 kPa.

Allow the tyre to stand for 24 h at normal room temperature, then readjust the inflation pressures to those specified above, before performing the measurements.

When measuring on rims having a rim width code that differs from that of the measuring rim width code given in the tables of this part of ISO 5751, the section-width and overall-width values of the tyre, used for comparison with the data given in Tables 1 to 11, shall be adjusted according to the formula:

$$W = W_m + 0,4 (R - R_m)$$

where

W_m is the value measured;

R_m is the width, expressed in millimetres, of the rim used for the measurements;

R is the width, expressed in millimetres, of the measuring rim width code given in the tables.

6 Tread configurations

ISO 5751-1:—, Figure 1 shows various tread configurations. The following attributions of tread type configurations to the type of service are to be considered as examples only. The choice of a given tread type configuration for a given tyre is at the discretion of the tyre manufacturer alone.

- Tread type A is commonly adopted for highway-service low-speed tyres.
- Tread type B is commonly adopted for highway-service high-speed tyres.
- Tread type C is commonly adopted for tyres used in both on- and off-road service.
- Tread type D is commonly adopted for tyres exclusively in off-road service.

7 Load ratings

7.1 General

Tables 12 to 23 show the standardized maximum tyre load-carrying capacity/capacities for each given tyre size designation.

7.2 Load capacity at reduced speeds

Subject to acceptance by the tyre manufacturer and taking into account the conditions of use of the motorcycle, the load capacities corresponding to the load indices indicated in Tables 12 to 23 may be modified by the percentages given in Table 24. This modification is possible when the motorcycle maximum speed is different from the one associated with the speed symbol.

7.3 Load capacity at speeds higher than 210 km/h

For the load-carrying capacities of tyres marked with speed symbols “V” or “W” operating at speeds higher than 210 km/h, see ISO 5751-1.

8 Inflation pressures

The following inflation pressures are given as guidelines only. Inflation pressures used in practice are subject to agreement between the tyre and vehicle manufacturers and should take into account not only the load, but

also the tyre construction, road-holding, maximum speed, location of the tyre, operating conditions and mechanical characteristics of the vehicle.

The maximum load-carrying capacity corresponds to the following inflation pressures.

a) For nominal rim diameter codes up to and including 12 (for series 80 and above):

- 1) Light-load version: 175 kPa
- 2) Normal-load version: 250 kPa
- 3) Extra-load version: 300 kPa

b) For nominal rim diameter codes 13 and above (for series 70 and below, and also for nominal rim diameter codes 12 and below):

- 1) Light-load version: 175 kPa
- 2) Normal-load version:
 - for tyres marked with a speed symbol up to and including “P” 225 kPa
 - for tyres marked with speed symbol “Q”, “R” or “S” 250 kPa
 - for tyres marked with speed symbol “T”, “U” or “H” 280 kPa
 - for tyres marked with speed symbol “V” or “W” 290 kPa
- 3) Extra-load version: increase the inflation pressures for the normal-load version by 50 kPa.

Table 1 — Tyre dimensions (design and in-service) — 100 series tyres with nominal rim diameter codes 13 and above

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service				
		Section width S	Overall diameter D_o	Maximum overall width W_{max}			Maximum overall diameter ^b $D_{o,max}$	
				Tread types A, B and C ^c	Tread types A, B and C ^d	Tread type D	Tread types A and B	Tread types C and D
60/100 – 14 M/C	1.50	61	476	65	67	76	484	490
70/100 – 14 M/C	1.60	69	496	74	76	86	506	514
80/100 – 14 M/C	1.85	80	516	86	88	100	528	536
90/100 – 14 M/C	2.15	90	536	96	99	113	548	558
70/100 – 15 M/C	1.60	69	521	74	76	86	531	537
80/100 – 15 M/C	1.85	80	541	86	88	100	553	561
90/100 – 15 M/C	2.15	90	561	96	99	113	573	583
60/100 – 16 M/C	1.50	61	526	65	67	76	534	540
70/100 – 16 M/C	1.60	69	546	74	76	86	556	562
80/100 – 16 M/C	1.85	80	566	86	88	100	578	586
90/100 – 16 M/C	2.15	90	586	96	99	113	598	608
100/100 – 16 M/C	2.50	101	606	108	111	126	620	630
130/100 – 16 M/C	3.00	129	666	138	142	161	684	698
140/100 – 16 M/C	3.50	142	686	152	156	178	706	720
60/100 – 17 M/C	1.50	61	552	65	67	76	560	566
70/100 – 17 M/C	1.60	69	572	74	76	86	582	588
80/100 – 17 M/C	1.85	80	592	86	88	100	604	612
90/100 – 17 M/C	2.15	90	612	96	99	113	624	634
100/100 – 17 M/C	2.50	101	632	108	111	126	646	656
110/100 – 17 M/C	2.50	109	652	117	120	136	668	678
120/100 – 17 M/C	2.75	119	672	127	131	149	688	700
130/100 – 17 M/C	3.00	129	692	138	142	161	710	724
70/100 – 18 M/C	1.60	69	597	74	76	86	607	613
80/100 – 18 M/C	1.85	80	617	86	88	100	629	637
90/100 – 18 M/C	2.15	90	637	96	99	113	649	659
100/100 – 18 M/C	2.50	101	657	108	111	126	671	681
110/100 – 18 M/C	2.50	109	677	117	120	136	693	703
120/100 – 18 M/C	2.75	119	697	127	131	149	713	725
130/100 – 18 M/C	3.00	129	717	138	142	161	735	749
70/100 – 19 M/C	1.60	69	623	74	76	86	633	639
80/100 – 19 M/C	1.85	80	643	86	88	100	655	663
90/100 – 19 M/C	2.15	90	663	96	99	113	675	685
100/100 – 19 M/C	2.50	101	683	108	111	126	697	707
110/100 – 19 M/C	2.50	109	703	117	120	136	719	729
120/100 – 19 M/C	2.75	119	723	127	131	149	739	751
130/100 – 19 M/C	3.00	129	743	138	142	161	761	775
70/100 – 21 M/C	1.60	69	673	74	76	86	683	689
80/100 – 21 M/C	1.85	80	693	86	88	100	705	713

^a For appropriate tyre size designation, see Clause 4.

^b Maximum overall diameters are related to service up to 150 km/h.

^c Radial-ply tyres.

^d Diagonal-ply and bias-belted tyres.

Table 2 — Tyre dimensions (design and in-service) — 100 series tyres with nominal rim diameter codes 12 and below

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service ^b	
		Section width <i>S</i>	Overall diameter <i>D_o</i>	Maximum overall width <i>W_{max}</i>	Maximum overall diameter <i>D_{o,max}</i>
70/100 – 8	1.60	69	343	75	353
80/100 – 8	1.85	80	363	86	375
90/100 – 8	2.15	90	383	97	395
100/100 – 8	2.50	101	403	109	417
110/100 – 8	2.50	109	423	118	439
120/100 – 8	2.75	119	443	129	459
130/100 – 8	3.00	129	463	139	481
70/100 – 10	1.60	69	394	75	404
80/100 – 10	1.85	80	414	86	426
90/100 – 10	2.15	90	434	97	446
100/100 – 10	2.50	101	454	109	468
110/100 – 10	2.50	109	474	118	490
120/100 – 10	2.75	119	494	129	510
130/100 – 10	3.00	129	514	139	532
70/100 – 12	1.60	69	445	75	455
80/100 – 12	1.85	80	465	86	477
90/100 – 12	2.15	90	485	97	497
100/100 – 12	2.50	101	505	109	519
110/100 – 12	2.50	109	525	118	541
120/100 – 12	2.75	119	545	129	561
130/100 – 12	3.00	129	565	139	583
^a For appropriate tyre size designation, see Clause 4. ^b Tread types A and B.					

Table 3 — Tyre dimensions (design and in-service) — 90 series tyres with nominal rim diameter codes 13 and above

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service				
		Section width <i>S</i>	Overall diameter <i>D_o</i>	Maximum overall width <i>W_{max}</i>			Maximum overall diameter ^b <i>D_{o,max}</i>	
				Tread types A, B and C ^c	Tread types A, B and C ^d	Tread type D	Tread types A and B	Tread types C and D
110/90 – 13 M/C	2.50	109	528	117	120	136	542	552
70/90 – 14 M/C	1.60	69	482	74	76	86	490	498
80/90 – 14 M/C	1.85	80	500	86	88	100	510	518
90/90 – 14 M/C	2.15	90	518	96	99	113	530	538
90/90 – 15 M/C	2.15	90	543	96	99	113	555	563
100/90 – 15 M/C	2.50	101	561	108	111	126	573	583
110/90 – 15 M/C	2.50	109	579	117	120	136	593	603
120/90 – 15 M/C	2.75	119	597	127	131	149	613	623
130/90 – 15 M/C	3.00	129	615	138	142	161	631	643
140/90 – 15 M/C	3.50	142	633	152	156	178	651	663
150/90 – 15 M/C	3.50	150	651	161	165	188	669	683
60/90 – 16 M/C	1.50	61	514	65	67	76	522	530
70/90 – 16 M/C	1.60	69	532	74	76	86	540	550
80/90 – 16 M/C	1.85	80	550	86	88	100	560	568
90/90 – 16 M/C	2.15	90	568	96	99	113	580	588
100/90 – 16 M/C	2.50	101	586	108	111	126	598	608
110/90 – 16 M/C	2.50	109	604	117	120	136	618	628
120/90 – 16 M/C	2.75	119	622	127	131	149	638	648
130/90 – 16 M/C	3.00	129	640	138	142	161	656	668
140/90 – 16 M/C	3.50	142	658	152	156	178	676	688
150/90 – 16 M/C	3.50	150	676	161	165	188	694	708
60/90 – 17 M/C	1.50	61	540	65	67	76	548	556
70/90 – 17 M/C	1.60	69	558	74	76	86	566	574
80/90 – 17 M/C	1.85	80	576	86	88	100	586	594
90/90 – 17 M/C	2.15	90	594	96	99	113	606	614
100/90 – 17 M/C	2.50	101	612	108	111	126	624	634
110/90 – 17 M/C	2.50	109	630	117	120	136	644	654
120/90 – 17 M/C	2.75	119	648	127	131	149	664	674
130/90 – 17 M/C	3.00	129	666	138	142	161	682	694
140/90 – 17 M/C	3.50	142	684	152	156	178	702	714
150/90 – 17 M/C	3.50	150	702	161	165	188	720	732
70/90 – 18 M/C	1.60	69	583	74	76	86	591	599
80/90 – 18 M/C	1.85	80	601	86	88	100	611	619
90/90 – 18 M/C	2.15	90	619	96	99	113	631	639
100/90 – 18 M/C	2.50	101	637	108	111	126	649	659
110/90 – 18 M/C	2.50	109	655	117	120	136	669	679
120/90 – 18 M/C	2.75	119	673	127	131	149	689	699
130/90 – 18 M/C	3.00	129	691	138	142	161	707	719
140/90 – 18 M/C	3.50	142	709	152	156	178	727	739
70/90 – 19 M/C	1.60	69	609	74	76	86	617	625
80/90 – 19 M/C	1.85	80	627	86	88	100	637	645
90/90 – 19 M/C	2.15	90	645	96	99	113	657	665
100/90 – 19 M/C	2.50	101	663	108	111	126	675	685
110/90 – 19 M/C	2.50	109	681	117	120	136	695	705
120/90 – 19 M/C	2.75	119	699	127	131	149	715	725
130/90 – 19 M/C	3.00	129	717	138	142	161	733	745
70/90 – 21 M/C	1.60	69	659	74	76	86	667	675
80/90 – 21 M/C	1.85	80	677	86	88	100	687	695
90/90 – 21 M/C	2.15	90	695	96	99	113	707	715
100/90 – 21 M/C	2.50	101	713	108	111	126	725	735

^a For appropriate tyre size designation, see Clause 4.
^b Maximum overall diameters are related to service up to 150 km/h.
^c Radial-ply tyres.
^d Diagonal-ply and bias-belted tyres.

Table 4 — Tyre dimensions (design and in-service) — 90 series tyres with nominal rim diameter codes 12 and below

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service ^b	
		Section width <i>S</i>	Overall diameter <i>D</i> _o	Maximum overall width <i>W</i> _{max}	Maximum overall diameter <i>D</i> _{o,max}
60/90 – 8	1.50	61	311	66	319
70/90 – 8	1.60	69	329	75	337
80/90 – 8	1.85	80	347	86	357
90/90 – 8	2.15	90	365	97	377
100/90 – 8	2.50	101	383	109	395
110/90 – 8	2.50	109	401	118	415
120/90 – 8	2.75	119	419	129	435
130/90 – 8	3.00	129	437	139	453
60/90 – 10	1.50	61	362	66	370
70/90 – 10	1.60	69	380	75	388
80/90 – 10	1.85	80	398	86	408
90/90 – 10	2.15	90	416	97	428
100/90 – 10	2.50	101	434	109	446
110/90 – 10	2.50	109	452	118	466
120/90 – 10	2.75	119	470	129	486
130/90 – 10	3.00	129	488	139	504
60/90 – 12	1.50	61	413	66	421
70/90 – 12	1.60	69	431	75	439
80/90 – 12	1.85	80	449	86	459
90/90 – 12	2.15	90	467	97	479
100/90 – 12	2.50	101	485	109	497
110/90 – 12	2.50	109	503	118	517
120/90 – 12	2.75	119	521	129	537
130/90 – 12	3.00	129	539	139	555

^a For appropriate tyre size designation, see Clause 4.

^b Tread types A and B.

Table 5 — Tyre dimensions (design and in-service) — 80 series tyres with nominal rim diameter codes 13 and above

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service				
		Section width S	Overall diameter D_o	Maximum overall width W_{max}			Maximum overall diameter ^b $D_{o,max}$	
				Tread types A, B and C ^c	Tread types A, B and C ^d	Tread type D	Tread types A and B	Tread types C and D
120/80 – 13 M/C	2.75	119	522	127	131	149	536	546
80/80 – 14 M/C	1.85	80	484	86	88	100	492	500
90/80 – 14 M/C	2.15	90	500	96	99	113	510	518
100/80 – 14 M/C	2.50	101	516	108	111	126	528	536
110/80 – 14 M/C	2.50	109	532	117	120	136	542	554
120/80 – 14 M/C	2.75	119	548	127	131	149	562	572
130/80 – 14 M/C	3.00	129	564	138	142	161	578	588
160/80 – 14 M/C	4.00	162	612	173	178	203	630	642
140/80 – 15 M/C	3.50	142	605	152	156	178	621	631
150/80 – 15 M/C	3.50	150	621	161	165	188	637	649
160/80 – 15 M/C	4.00	162	637	173	178	203	655	667
170/80 – 15 M/C	4.00	170	653	182	187	213	673	685
80/80 – 16 M/C	1.85	80	534	86	88	100	542	550
100/80 – 16 M/C	2.50	101	566	108	111	126	578	586
110/80 – 16 M/C	2.50	109	582	117	120	136	594	604
120/80 – 16 M/C	2.75	119	598	127	131	149	612	622
130/80 – 16 M/C	3.00	129	614	138	142	161	628	638
140/80 – 16 M/C	3.50	142	630	152	156	178	646	656
150/80 – 16 M/C	3.50	150	646	161	165	188	662	674
160/80 – 16 M/C	4.00	162	662	173	178	203	680	692
80/80 – 17 M/C	1.85	80	560	86	88	100	568	576
90/80 – 17 M/C	2.15	90	576	96	99	113	586	594
100/80 – 17 M/C	2.50	101	592	108	111	126	604	612
110/80 – 17 M/C	2.50	109	608	117	120	136	620	630
120/80 – 17 M/C	2.75	119	624	127	131	149	638	648
130/80 – 17 M/C	3.00	129	640	138	142	161	654	664
140/80 – 17 M/C	3.50	142	656	152	156	178	672	682
150/80 – 17 M/C	3.50	150	672	161	165	188	688	700
70/80 – 18 M/C	1.60	69	569	74	76	86	577	583
80/80 – 18 M/C	1.85	80	585	86	88	100	593	601
90/80 – 18 M/C	2.15	90	601	96	99	113	611	619
100/80 – 18 M/C	2.50	101	617	108	111	126	629	637
110/80 – 18 M/C	2.50	109	633	117	120	136	645	655
120/80 – 18 M/C	2.75	119	649	127	131	149	663	673
130/80 – 18 M/C	3.00	129	665	138	142	161	679	689
140/80 – 18 M/C	3.50	142	681	152	156	178	697	707
150/80 – 18 M/C	3.50	150	697	161	165	188	713	725
160/80 – 18 M/C	4.00	162	713	173	178	203	731	743
80/80 – 19 M/C	1.85	80	611	86	88	100	619	627
90/80 – 19 M/C	2.15	90	627	96	99	113	637	645
100/80 – 19 M/C	2.50	101	643	108	111	126	655	663
110/80 – 19 M/C	2.50	109	659	117	120	136	671	681
120/80 – 19 M/C	2.75	119	675	127	131	149	689	699
130/80 – 19 M/C	3.00	129	691	138	142	161	705	715
140/80 – 19 M/C	3.50	142	707	152	156	178	723	733
80/80 – 21 M/C	1.85	80	661	86	88	100	669	677
90/80 – 21 M/C	2.15	90	677	96	99	113	687	695
100/80 – 21 M/C	2.50	101	693	108	111	126	705	713

^a For appropriate tyre size designation, see Clause 4.^b Maximum overall diameters are related to service up to 150 km/h.^c Radial-ply tyres.^d Diagonal-ply and bias-belted tyres.

Table 6 — Tyre dimensions (design and in-service) — 80 series tyres with nominal rim diameter codes 12 and below

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service ^b	
		Section width <i>S</i>	Overall diameter <i>D</i> _o	Maximum overall width <i>W</i> _{max}	Maximum overall diameter <i>D</i> _{o,max}
60/80 – 8	1.50	61	219	66	305
70/80 – 8	1.60	69	315	75	323
80/80 – 8	1.85	80	331	86	339
90/80 – 8	2.15	90	347	97	357
100/80 – 8	2.50	101	363	109	375
110/80 – 8	2.50	109	379	118	391
120/80 – 8	2.75	119	395	129	409
130/80 – 8	3.00	129	411	139	425
60/80 – 10	1.50	61	350	66	356
70/80 – 10	1.60	69	366	75	374
80/80 – 10	1.85	80	382	86	390
90/80 – 10	2.15	90	398	97	408
100/80 – 10	2.50	101	414	109	426
110/80 – 10	2.50	109	430	118	442
120/80 – 10	2.75	119	446	129	460
130/80 – 10	3.00	129	462	139	476
60/80 – 12	1.50	61	401	66	407
70/80 – 12	1.60	69	417	75	425
80/80 – 12	1.85	80	433	86	441
90/80 – 12	2.15	90	449	97	459
100/80 – 12	2.50	101	465	109	477
110/80 – 12	2.50	109	481	118	493
120/80 – 12	2.75	119	497	129	511
130/80 – 12	3.00	129	513	139	527

^a For appropriate tyre size designation, see Clause 4.^b Tread types A and B.

Table 7 — Tyre dimensions (design and in-service) — 70 series tyres

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service — Tread types A and B		
		Section width <i>S</i>	Overall diameter <i>D_o</i>	Maximum overall width <i>W_{max}</i>		Maximum overall diameter ^b <i>D_{o,max}</i>
80/70 – 16 M/C	2.15	79	518	Radial 85	Diagonal and bias-belted 87	526
100/70 – 16 M/C	2.75	100	546	107	110	556
100/70 – 17 M/C			572			582
100/70 – 18 M/C			597			607
100/70 – 19 M/C			623			633
110/70 – 12	3.00	110	459	119	119	469
110/70 – 16 M/C	3.00	110	560	118	121	570
110/70 – 17 M/C			586			596
110/70 – 18 M/C			611			621
110/70 – 19 M/C			637			647
120/70 – 10	3.50	122	422	132	132	434
120/70 – 12			473			485
120/70 – 13 M/C	3.50	122	498	131	134	510
120/70 – 14 M/C			524			536
120/70 – 15 M/C			549			561
120/70 – 16 M/C			574			586
120/70 – 17 M/C			600			612
120/70 – 18 M/C			625			637
120/70 – 19 M/C			651			663
120/70 – 21 M/C			701			713
130/70 – 8	3.50	129	385	139	139	397
130/70 – 10			436			448
130/70 – 12			487			499
130/70 – 13 M/C	3.50	129	512	138	142	524
130/70 – 16 M/C			588			600
130/70 – 17 M/C			614			626
130/70 – 18 M/C			639			651
130/70 – 19 M/C			665			677
140/70 – 8	3.75	139	399	150	150	413
140/70 – 12			501			515
140/70 – 14 M/C	3.75	139	552	149	153	566
140/70 – 16 M/C			602			616
140/70 – 17 M/C			628			642
140/70 – 18 M/C			653			667
140/70 – 19 M/C			679			693
150/70 – 13 M/C	4.25	151	566	162	166	580
150/70 – 14 M/C			616			630
150/70 – 16 M/C			642			656
150/70 – 17 M/C			667			681
150/70 – 19 M/C			693			707
160/70 – 16 M/C	4.50	161	630	172	177	646
160/70 – 17 M/C			656			672
160/70 – 18 M/C			681			697
160/70 – 19 M/C			707			723
170/70 – 15 M/C	4.50	168	619	180	185	635
180/70 – 15 M/C	5.00	180	633	193	198	651
180/70 – 16 M/C			658			676
200/70 – 15 M/C	5.50	200	661	214	220	681

^a For appropriate tyre size designation, see Clause 4.^b Maximum overall diameters are related to service up to 150 km/h.

Table 8 — Tyre dimensions (design and in-service) — 65 and 60 series tyres

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service — Tread types A and B		
		Section width <i>S</i>	Overall diameter <i>D</i> _o	Maximum overall width <i>W</i> _{max}		Maximum overall diameter ^b <i>D</i> _{o,max}
				Radial	Diagonal and bias-belted	
65 series						
120/65 – 17 M/C	3.50	122	588	131	134	598
60 series						
110/60 – 16 M/C	3.00	110	538	118	121	548
110/60 – 17 M/C			564			574
110/60 – 18 M/C			589			599
110/60 – 19 M/C			615			625
120/60 – 16 M/C	3.50	122	550	131	134	560
120/60 – 17 M/C			576			586
120/60 – 18 M/C			601			611
120/60 – 19 M/C			627			637
130/60 – 13 M/C	3.50	129	486	138	142	496
130/60 – 16 M/C			562			572
130/60 – 17 M/C			588			598
130/60 – 18 M/C			613			623
130/60 – 19 M/C			639			649
140/60 – 12	4.00	141	473	152	152	485
140/60 – 13 M/C	3.75	139	498	149	153	510
140/60 – 16 M/C			574			586
140/60 – 17 M/C			600			612
140/60 – 18 M/C			625			637
140/60 – 19 M/C			651			663
150/60 – 13 M/C	4.25	151	510	162	166	522
150/60 – 14 M/C			536			548
150/60 – 16 M/C			586			598
150/60 – 17 M/C			612			624
150/60 – 18 M/C			637			649
150/60 – 19 M/C			663			657
160/60 – 14 M/C	4.50	161	548	172	177	562
160/60 – 15 M/C			573			587
160/60 – 16 M/C			598			612
160/60 – 17 M/C			624			638
160/60 – 18 M/C			649			663
160/60 – 19 M/C			675			689
170/60 – 16 M/C	4.50	168	610	180	185	624
170/60 – 17 M/C			636			650
170/60 – 18 M/C			661			675
170/60 – 19 M/C			687			701
180/60 – 16 M/C	5.00	180	622	193	198	638
180/60 – 17 M/C			648			664
190/60 – 17 M/C	5.00	188	660	201	207	676
200/60 – 16 M/C	5.50	200	646	214	220	662
210/60 – 16 M/C	6.00	212	658	227	233	676
230/60 – 15 M/C	6.25	229	657	245	252	677
^a For appropriate tyre size designation, see Clause 4.						
^b Maximum overall diameters are related to service up to 150 km/h.						

Table 9 — Tyre dimensions (design and in-service) — 55 series tyres

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service — Tread types A and B		
		Section width <i>S</i>	Overall diameter <i>D_o</i>	Maximum overall width <i>W_{max}</i>		Maximum overall diameter ^b <i>D_{o,max}</i>
130/55 – 16 M/C 130/55 – 17 M/C 130/55 – 18 M/C 130/55 – 19 M/C	4.00	129	550 576 601 627	138	142	560 586 611 637
140/55 – 16 M/C 140/55 – 17 M/C 140/55 – 18 M/C 140/55 – 19 M/C	4.50	141	560 586 611 637	151	155	570 596 621 647
150/55 – 16 M/C 150/55 – 17 M/C 150/55 – 18 M/C 150/55 – 19 M/C	4.50	148	572 598 623 649	158	163	584 610 635 661
160/55 – 16 M/C 160/55 – 17 M/C 160/55 – 18 M/C 160/55 – 19 M/C	5.00	160	582 608 633 659	171	176	594 620 645 671
170/55 – 16 M/C 170/55 – 17 M/C 170/55 – 18 M/C 170/55 – 19 M/C	5.50	172	594 620 645 671	184	189	608 634 659 685
180/55 – 16 M/C 180/55 – 17 M/C 180/55 – 18 M/C 180/55 – 19 M/C	5.50	178	604 630 655 681	190	196	618 644 669 695
190/55 – 16 M/C 190/55 – 17 M/C 190/55 – 18 M/C 190/55 – 19 M/C	6.00	190	616 642 667 693	203	209	630 656 681 707
200/55 – 17 M/C 200/55 – 18 M/C	6.25	200	652 677	214	220	668 693
210/55 – 18 M/C	6.50	209	689	224	230	705

^a For appropriate tyre size designation, see Clause 4.

^b Maximum overall diameters are related to service up to 150 km/h.

Table 10 — Tyre dimensions (design and in-service) — 50 series tyres

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service — Tread types A and B		
		Section width S	Overall diameter D_o	Maximum overall width W_{max}		Maximum overall diameter ^b $D_{o,max}$
				Radial	Diagonal and bias-belted	
160/50 – 16 M/C 160/50 – 17 M/C 160/50 – 18 M/C 160/50 – 19 M/C	5.00	160	566 592 617 643	171	176	578 604 629 655
170/50 – 16 M/C 170/50 – 17 M/C 170/50 – 18 M/C 170/50 – 19 M/C	5.50	172	576 602 627 653	184	189	588 614 639 665
180/50 – 16 M/C 180/50 – 17 M/C 180/50 – 18 M/C 180/50 – 19 M/C	5.50	178	586 612 637 663	190	196	598 624 649 675
190/50 – 16 M/C 190/50 – 17 M/C 190/50 – 18 M/C 190/50 – 19 M/C	6.00	190	596 622 647 673	203	209	610 636 661 687
200/50 – 17 M/C 200/50 – 18 M/C	6.25	200	632 657	214	221	646 671
210/50 – 17 M/C	6.50	209	642	224	230	656
240/50 – 16 M/C	7.50	239	646	256	263	662
^a For appropriate tyre size designation, see Clause 4.						
^b Maximum overall diameters are related to service up to 150 km/h.						

Table 11 — Tyre dimensions (design and in-service) — 40 series tyres

Dimensions in millimetres

Tyre size designation ^a	Measuring rim width code	Design tyre		In-service — Tread types A and B		
		Section width S	Overall diameter D_o	Maximum overall width W_{max}		Maximum overall diameter ^b $D_{o,max}$
				Radial	Diagonal and bias-belted	
240/40 – 18 M/C	8.50	240	649	257		663
250/40 – 18 M/C	9.00	251	657	269		671
^a For appropriate tyre size designation, see Clause 4.						
^b Maximum overall diameters are related to service up to 150 km/h.						

Table 12 — Maximum tyre load ratings — 100 series tyres with nominal rim diameter codes 13 and above

Tyre size designation ^a	Load index	Maximum load capacity ^b kg	Tyre size designation ^a	Load index	Maximum load capacity ^b kg
60/100 – 14 M/C	29 ^d	103	70/100 – 18 M/C	41 ^d	145
70/100 – 14 M/C	37 ^d	128		47 ^c	175
	42 ^c	150			
80/100 – 14 M/C	43 ^d	155	80/100 – 18 M/C	47 ^d	175
	49 ^c	185		54 ^c	212
90/100 – 14 M/C	49 ^d	185	90/100 – 18 M/C	54 ^d	212
	55 ^c	218		60 ^c	250
70/100 – 15 M/C	38 ^d	132	100/100 – 18 M/C	59 ^d	243
80/100 – 15 M/C	44 ^d	160		65 ^c	290
90/100 – 15 M/C	50 ^d	190	110/100 – 18 M/C	64 ^d	280
60/100 – 16 M/C	31 ^d	109		70 ^c	335
	38 ^c	132	120/100 – 18 M/C	68 ^d	315
70/100 – 16 M/C	39 ^d	136		74 ^c	375
	45 ^c	165	130/100 – 18 M/C	72 ^d	355
80/100 – 16 M/C	45 ^d	165		78 ^c	425
	51 ^c	195	70/100 – 19 M/C	42 ^d	150
90/100 – 16 M/C	51 ^d	195		48 ^c	180
	58 ^c	236	80/100 – 19 M/C	49 ^d	185
100/100 – 16 M/C	57 ^d	230		55 ^c	218
130/100 – 16 M/C	70 ^d	335	90/100 – 19 M/C	55 ^d	218
	76 ^c	400		61 ^c	257
140/100 – 16 M/C	74 ^d	375	100/100 – 19 M/C	60 ^d	250
	80 ^c	450		66 ^c	300
60/100 – 17 M/C	33 ^d	115	110/100 – 19 M/C	65 ^d	290
	39 ^c	136		71 ^c	345
70/100 – 17 M/C	40 ^d	140	120/100 – 19 M/C	69 ^d	325
	46 ^c	170		75 ^c	387
80/100 – 17 M/C	46 ^d	170	130/100 – 19 M/C	73 ^d	365
	53 ^c	206		79 ^c	437
90/100 – 17 M/C	53 ^d	206	70/100 – 21 M/C	44 ^d	160
	59 ^c	243	80/100 – 21 M/C	51 ^d	195
100/100 – 17 M/C	58 ^d	236	^a The full designation shall be as given in Clause 4. ^b See Clause 8. ^c Extra-load version. ^d Normal-load version.		
	64 ^c	280			
110/100 – 17 M/C	63 ^d	272			
	69 ^c	325			
120/100 – 17 M/C	67 ^d	307			
	73 ^c	365			
130/100 – 17 M/C	71 ^d	345			
	77 ^c	412			

Table 13 — Maximum tyre load ratings — 100 series tyres with nominal rim diameter codes 12 and below

Tyre size designation ^a	Load index	Maximum load capacity ^b kg	Tyre size designation ^a	Load index	Maximum load capacity ^b kg
70/100 – 8	26 ^e	95	120/100 – 10	59 ^e	243
	36 ^d	125		68 ^d	315
	41 ^c	145		73 ^c	365
80/100 – 8	34 ^e	118	130/100 – 10	64 ^e	280
	43 ^d	155		73 ^d	365
	48 ^c	180		78 ^c	425
90/100 – 8	40 ^e	140	70/100 – 12	34 ^e	118
	49 ^d	185		43 ^d	155
	54 ^c	212		48 ^c	180
100/10 – 8	45 ^e	165	80/100 – 12	41 ^e	145
	55 ^d	218		50 ^d	190
	60 ^c	250		55 ^c	218
110/100 – 8	50 ^e	190	90/100 – 12	46 ^e	170
	60 ^d	250		56 ^d	224
	65 ^c	290		61 ^c	257
120/100 – 8	55 ^e	218	100/100 – 12	52 ^e	200
	65 ^d	290		62 ^d	265
	70 ^c	335		67 ^c	307
130/100 – 8	60 ^e	250	110/100 – 12	58 ^e	236
	69 ^d	325		67 ^d	307
	74 ^c	375		72 ^c	355
70/100 – 10	30 ^e	106	120/100 – 12	62 ^e	265
	40 ^d	140		71 ^d	345
	45 ^c	165		76 ^c	400
80/100 – 10	38 ^e	132	130/100 – 12	66 ^e	300
	46 ^d	170		75 ^d	387
	52 ^c	200		80 ^c	450
90/100 – 10	43 ^e	155	^a The full designation shall be as given in Clause 4. ^b See Clause 8. ^c Extra-load version. ^d Normal-load version. ^e Light-load version.		
	53 ^d	206			
	58 ^c	236			
100/100 – 10	49 ^e	185			
	59 ^d	243			
	64 ^c	280			
110/100 – 10	54 ^e	212			
	64 ^d	280			
	69 ^c	325			

Table 14 — Maximum tyre load ratings — 90 series tyres with nominal rim diameter codes 13 and above

Tyre size designation ^a	Load index	Maximum load capacity ^b kg	Tyre size designation ^a	Load index	Maximum load capacity ^b kg
110/90 – 13 M/C	56 ^d	224	130/90 – 17 M/C	68 ^d	315
70/90 – 14 M/C	34 ^d	118		74 ^c	375
	40 ^c	140	140/90 – 17 M/C	72 ^d	355
80/90 – 14 M/C	40 ^d	140	150/90 – 17 M/C	76 ^d	400
90/90 – 15 M/C	47 ^d	175	70/90 – 18 M/C	39 ^d	136
100/90 – 15 M/C	53 ^d	206		44 ^c	160
110/90 – 15 M/C	58 ^d	236	80/90 – 18 M/C	45 ^d	165
120/90 – 15 M/C	62 ^d	265		51 ^c	195
130/90 – 15 M/C	66 ^d	300	90/90 – 18 M/C	51 ^d	195
140/90 – 15 M/C	70 ^d	335		57 ^c	230
	76 ^c	400	100/90 – 18 M/C	56 ^d	224
150/90 – 15 M/C	74 ^d	375		62 ^c	265
	80 ^c	450	110/90 – 18 M/C	61 ^d	257
60/90 – 16 M/C	29 ^d	103		67 ^c	307
	35 ^c	121	120/90 – 18 M/C	65 ^d	290
70/90 – 16 M/C	36 ^d	125		71 ^c	345
	42 ^c	150	130/90 – 18 M/C	69 ^d	325
80/90 – 16 M/C	43 ^d	155		75 ^c	387
	48 ^c	180	140/90 – 18 M/C	73 ^d	365
90/90 – 16 M/C	48 ^d	180	70/90 – 19 M/C	40 ^d	140
	55 ^c	218		45 ^c	165
100/90 – 16 M/C	54 ^d	212	80/90 – 19 M/C	46 ^d	170
110/90 – 16 M/C	59 ^d	243		52 ^c	200
120/90 – 16 M/C	63 ^d	272	90/90 – 19 M/C	52 ^d	200
130/90 – 16 M/C	67 ^d	307		58 ^c	236
	73 ^c	365	100/90 – 19 M/C	57 ^d	230
140/90 – 16 M/C	71 ^d	345		63 ^c	272
	77 ^c	412	110/90 – 19 M/C	62 ^d	265
150/90 – 16 M/C	75 ^d	387		68 ^c	315
	81 ^c	462	120/90 – 19 M/C	66 ^d	300
60/90 – 17 M/C	30 ^d	106		72 ^c	355
	36 ^c	125	130/90 – 19 M/C	70 ^d	355
70/90 – 17 M/C	38 ^d	132		76 ^c	400
	43 ^c	155	70/90 – 21 M/C	43 ^d	155
80/90 – 17 M/C	44 ^d	160	80/90 – 21 M/C	48 ^d	180
	50 ^c	190	90/90 – 21 M/C	54 ^d	212
90/90 – 17 M/C	49 ^d	185	100/90 – 21 M/C	59 ^d	243
	56 ^c	224	^a The full designation shall be as given in Clause 4. ^b See Clause 8. ^c Extra-load version. ^d Normal-load version.		
100/90 – 17 M/C	55 ^d	218			
	61 ^c	257			
110/90 – 17 M/C	60 ^d	250			
	66 ^c	300			
120/90 – 17 M/C	64 ^d	280			
	70 ^c	335			

Table 15 — Maximum tyre load ratings — 90 series tyres with nominal rim diameter codes 12 and below

Tyre size designation ^a	Load index	Maximum load capacity ^b kg	Tyre size designation ^a	Load index	Maximum load capacity ^b kg
60/90 – 8	16 ^e	71	110/90 – 10	51 ^e	195
	25 ^d	92,5		61 ^d	257
	30 ^c	106		66 ^c	300
70/90 – 8	24 ^e	90	120/90 – 10	57 ^e	230
	34 ^d	118		66 ^d	300
	39 ^c	136		71 ^c	345
80/90 – 8	31 ^e	109	130/90 – 10	61 ^e	257
	41 ^d	145		70 ^d	335
	46 ^c	170		75 ^c	387
90/90 – 8	38 ^e	132	60/90 – 12	24 ^e	90
	47 ^d	175		34 ^d	118
	52 ^c	200		39 ^c	136
100/90 – 8	43 ^e	155	70/90 – 12	31 ^e	109
	53 ^d	206		41 ^d	145
	58 ^c	236		46 ^c	170
110/90 – 8	48 ^e	180	80/90 – 12	39 ^e	136
	58 ^d	236		48 ^d	180
	63 ^c	272		53 ^c	206
120/90 – 8	52 ^e	200	90/90 – 12	44 ^e	160
	62 ^d	265		54 ^d	212
	67 ^c	307		59 ^c	243
130/90 – 8	57 ^e	230	100/90 – 12	49 ^e	185
	66 ^d	300		59 ^d	243
	71 ^c	345		64 ^c	280
60/90 – 10	20 ^e	80	110/90 – 12	54 ^e	212
	30 ^d	106		64 ^d	280
	35 ^c	121		69 ^c	325
70/90 – 10	28 ^e	100	120/90 – 12	60 ^e	250
	38 ^d	132		69 ^d	325
	43 ^c	155		74 ^c	375
80/90 – 10	35 ^e	121	130/90 – 12	64 ^e	280
	44 ^d	160		73 ^d	365
	49 ^c	185		78 ^c	425
90/90 – 10	41 ^e	145	^a The full designation shall be as given in Clause 4. ^b See Clause 8. ^c Extra-load version. ^d Normal-load version. ^e Light-load version.		
	50 ^d	190			
	55 ^c	218			
100/90 – 10	46 ^e	170			
	56 ^d	224			
	61 ^c	257			

Table 16 — Maximum tyre load ratings — 80 series tyres with nominal rim diameter codes 13 and above

Tyre size designation ^a	Load index	Maximum load capacity ^b kg	Tyre size designation ^a	Load index	Maximum load capacity ^b kg
120/80 – 13 M/C	56 ^d	224	120/80 – 17 M/C	61 ^d	257
	62 ^c	265	130/80 – 17 M/C	65 ^d	290
80/80 – 14 M/C	43 ^c	155	140/80 – 17 M/C	69 ^d	325
90/80 – 14 M/C	43 ^d	155	150/80 – 17 M/C	72 ^d	355
	49 ^c	185	70/80 – 18 M/C	36 ^d	125
100/80 – 14 M/C	48 ^d	180		41 ^c	145
	54 ^c	212	80/80 – 18 M/C	42 ^d	150
110/80 – 14 M/C	53 ^d	206		48 ^c	180
	59 ^c	243	90/80 – 18 M/C	47 ^d	175
120/80 – 14 M/C	58 ^d	236		54 ^c	212
130/80 – 14 M/C	62 ^d	265	100/80 – 18 M/C	53 ^d	206
160/80 – 14 M/C	72 ^d	355		59 ^c	243
140/80 – 15 M/C	67 ^d	307	110/80 – 18 M/C	58 ^d	236
	73 ^c	365		64 ^c	280
150/80 – 15 M/C	70 ^d	335	120/80 – 18 M/C	62 ^d	265
	76 ^c	400		68 ^c	315
160/80 – 15 M/C	74 ^d	375	130/80 – 18 M/C	66 ^d	300
170/80 – 15 M/C	77 ^d	412		72 ^c	355
	83 ^c	487	140/80 – 18 M/C	70 ^d	335
80/80 – 16 M/C	40 ^d	140		76 ^c	400
	45 ^c	165	150/80 – 18 M/C	73 ^d	365
90/80 – 16 M/C	45 ^d	165		79 ^c	437
	51 ^c	195	160/80 – 18 M/C	83 ^c	487
100/80 – 16 M/C	50 ^d	190	80/80 – 19 M/C	43 ^d	155
110/80 – 16 M/C	55 ^d	218	90/80 – 19 M/C	49 ^d	185
120/80 – 16 M/C	60 ^d	250	100/80 – 19 M/C	54 ^d	212
130/80 – 16 M/C	64 ^d	280	110/80 – 19 M/C	59 ^d	243
140/80 – 16 M/C	68 ^d	315	120/80 – 19 M/C	63 ^d	272
150/80 – 16 M/C	71 ^d	345	130/80 – 19 M/C	67 ^d	307
	77 ^c	412	140/80 – 19 M/C	71 ^d	345
160/80 – 16 M/C	75 ^d	387	80/80 – 21 M/C	45 ^d	165
	81 ^c	462	90/80 – 21 M/C	51 ^d	195
80/80 – 17 M/C	41 ^d	145	100/80 – 21 M/C	56 ^d	224
90/80 – 17 M/C	46 ^d	170	^a The full designation shall be as given in Clause 4. ^b See Clause 8. ^c Extra-load version. ^d Normal-load version.		
100/80 – 17 M/C	52 ^d	200			
110/80 – 17 M/C	57 ^d	230			

Table 17 — Maximum tyre load ratings — 80 series tyres with nominal rim diameter codes 12 and below

Tyre size designation ^a	Load index	Maximum load capacity ^b kg	Tyre size designation ^a	Load index	Maximum load capacity ^b kg
60/80 – 8	13 ^e	65	110/80 – 10	48 ^e	180
	22 ^d	85		58 ^d	236
	27 ^c	97,5		63 ^c	272
70/80 – 8	20 ^e	80	120/80 – 10	52 ^e	200
	30 ^d	106		62 ^d	265
	35 ^c	121		67 ^c	307
80/80 – 8	27 ^e	97,5	130/80 – 10	57 ^e	230
	37 ^d	128		66 ^d	300
	42 ^c	150		71 ^c	345
90/80 – 8	34 ^e	118	60/80 – 12	20 ^e	80
	43 ^d	155		30 ^d	106
	48 ^c	180		35 ^c	121
100/80 – 8	40 ^e	140	70/80 – 12	28 ^e	100
	49 ^d	185		38 ^d	132
	54 ^c	212		43 ^c	155
110/80 – 8	44 ^e	160	80/80 – 12	35 ^e	121
	54 ^d	212		44 ^d	160
	59 ^c	243		49 ^c	185
120/80 – 8	49 ^e	185	90/80 – 12	41 ^e	145
	59 ^d	243		50 ^d	190
	64 ^c	280		55 ^c	218
130/80 – 8	53 ^e	206	100/80 – 12	46 ^e	170
	63 ^d	272		56 ^d	224
	68 ^c	315		61 ^c	257
60/80 – 10	17 ^e	73	110/80 – 12	51 ^e	195
	26 ^d	95		61 ^d	257
	31 ^c	109		66 ^c	300
70/80 – 10	25 ^e	92,5	120/80 – 12	55 ^e	218
	35 ^d	121		65 ^d	290
	40 ^c	140		70 ^c	335
80/80 – 10	31 ^e	109	130/80 – 12	60 ^e	250
	41 ^d	145		69 ^d	325
	46 ^c	170		74 ^c	375
90/80 – 10	38 ^e	132	^a The full designation shall be as given in Clause 4. ^b See Clause 8. ^c Extra-load version. ^d Normal-load version. ^e Light-load version.		
	47 ^d	175			
	52 ^c	200			
100/80 – 10	43 ^e	155			
	53 ^d	206			
	58 ^c	236			

Table 18 — Maximum tyre load ratings for 70 series tyres

Tyre size designation ^a	Load index	Maximum load capacity ^b kg	Tyre size designation ^a	Load index	Maximum load capacity ^b kg
80/70 – 16 M/C	43 ^c	155	130/70 – 16 M/C	61 ^d	257
100/70 – 16 M/C	47 ^d	175	130/70 – 17 M/C	62 ^d	265
100/70 – 17 M/C	49 ^d	185	130/70 – 18 M/C	63 ^d	272
100/70 – 18 M/C	50 ^d	190	130/70 – 19 M/C	64 ^d	280
100/70 – 19 M/C	51 ^d	195	140/70 – 8	53 ^d	206
110/70 – 12	47 ^d	175	140/70 – 12	60 ^d	250
110/70 – 16 M/C	52 ^d	200	140/70 – 12	65 ^c	290
110/70 – 17 M/C	54 ^d	212	140/70 – 14 M/C	62 ^d	265
110/70 – 18 M/C	55 ^d	218	140/70 – 14 M/C	68 ^c	315
110/70 – 19 M/C	56 ^d	224	140/70 – 16 M/C	65 ^d	290
120/70 – 10	48 ^d	180	140/70 – 17 M/C	66 ^d	300
120/70 – 10	54 ^c	212	140/70 – 18 M/C	67 ^d	307
120/70 – 12	44 ^e	160	140/70 – 19 M/C	68 ^d	315
120/70 – 12	51 ^d	195	150/70 – 13 M/C	64 ^d	280
120/70 – 12	58 ^c	236	150/70 – 14 M/C	66 ^d	300
120/70 – 13 M/C	53 ^d	206	150/70 – 14 M/C	72 ^c	355
120/70 – 14 M/C	55 ^d	218	150/70 – 16 M/C	68 ^d	315
120/70 – 14 M/C	61 ^c	257	150/70 – 17 M/C	69 ^d	325
120/70 – 15 M/C	56 ^d	224	150/70 – 18 M/C	70 ^d	335
120/70 – 16 M/C	57 ^d	230	150/70 – 19 M/C	71 ^d	345
120/70 – 17 M/C	58 ^d	236	160/70 – 16 M/C	71 ^d	345
120/70 – 18 M/C	59 ^d	243	160/70 – 17 M/C	73 ^d	365
120/70 – 19 M/C	60 ^d	250	160/70 – 18 M/C	74 ^d	375
120/70 – 21 M/C	62 ^d	265	160/70 – 19 M/C	75 ^d	387
130/70 – 8	42 ^c	150	170/70 – 15 M/C	73 ^d	365
130/70 – 10	52 ^d	200	180/70 – 15 M/C	76 ^d	400
130/70 – 10	59 ^c	243	180/70 – 16 M/C	77 ^d	412
130/70 – 12	49 ^e	185	200/70 – 15 M/C	82 ^d	475
130/70 – 12	56 ^d	224			
130/70 – 12	62 ^c	265			
130/70 – 13 M/C	57 ^d	230			
130/70 – 13 M/C	63 ^c	272			

^a The full designation shall be as given in Clause 4.

^b See Clause 8.

^c Extra-load version.

^d Normal-load version.

^e Light-load version.

Table 19 — Maximum tyre load ratings for 65 series tyres

Tyre size designation ^a	Load index	Maximum load capacity ^b kg
120/65 – 17 M/C	56 ^c	224
^a The full designation shall be as given in Clause 4. ^b See Clause 8. ^c Normal-load version.		

Table 20 — Maximum tyre load ratings for 60 series tyres

Tyre size designation ^a	Load index	Maximum load capacity ^b kg
110/60 – 16 M/C	49 ^d	185
110/60 – 17 M/C	50 ^d	190
110/60 – 18 M/C	51 ^d	195
110/60 – 19 M/C	53 ^d	206
120/60 – 16 M/C	53 ^d	206
120/60 – 17 M/C	55 ^d	218
120/60 – 18 M/C	56 ^d	224
120/60 – 19 M/C	57 ^d	230
130/60 – 13 M/C	53 ^d	206
130/60 – 13 M/C	60 ^c	250
130/60 – 16 M/C	58 ^d	236
130/60 – 17 M/C	59 ^d	243
130/60 – 18 M/C	60 ^d	250
130/60 – 19 M/C	61 ^d	257
140/60 – 12	56 ^d	224
140/60 – 12	62 ^c	265
140/60 – 13 M/C	57 ^d	230
140/60 – 13 M/C	63 ^c	272
140/60 – 16 M/C	61 ^d	257
140/60 – 17 M/C	63 ^d	272
140/60 – 18 M/C	64 ^d	280
140/60 – 19 M/C	65 ^d	290
150/60 – 13 M/C	61 ^d	257
150/60 – 13 M/C	66 ^c	300
150/60 – 14 M/C	62 ^d	256
150/60 – 16 M/C	65 ^d	290
150/60 – 17 M/C	66 ^d	300
150/60 – 18 M/C	67 ^d	307
150/60 – 19 M/C	68 ^d	315

Tyre size designation ^a	Load index	Maximum load capacity ^b kg
160/60 – 14 M/C	65 ^d	290
160/60 – 15 M/C	67 ^d	307
160/60 – 16 M/C	68 ^d	315
160/60 – 17 M/C	69 ^d	325
160/60 – 18 M/C	70 ^d	335
160/60 – 19 M/C	71 ^d	345
170/60 – 16 M/C	71 ^d	345
170/60 – 17 M/C	72 ^d	355
170/60 – 18 M/C	73 ^d	365
170/60 – 19 M/C	74 ^d	375
180/60 – 16 M/C	74 ^d	375
180/60 – 17 M/C	75 ^d	387
190/60 – 17 M/C	78 ^d	425
200/60 – 16 M/C	79 ^d	437
210/60 – 16 M/C	82 ^d	475
230/60 – 15 M/C	86 ^d	530
^a The full designation shall be as given in Clause 4. ^b See Clause 8. ^c Extra-load/reinforced version. ^d Normal-load version.		

Table 21 — Maximum tyre load ratings for 55 series tyres

Tyre size designation ^a	Load index	Maximum load capacity ^b kg
130/55 – 16 M/C	55	218
130/55 – 17 M/C	57	230
130/55 – 18 M/C	58	236
130/55 – 19 M/C	59	243
140/55 – 16 M/C	59	243
140/55 – 17 M/C	60	250
140/55 – 18 M/C	61	257
140/55 – 19 M/C	62	265
150/55 – 16 M/C	63	272
150/55 – 17 M/C	64	280
150/55 – 18 M/C	65	290
150/55 – 19 M/C	66	300
160/55 – 16 M/C	65	290
160/55 – 17 M/C	67	307
160/55 – 18 M/C	68	315
160/55 – 19 M/C	69	325
170/55 – 16 M/C	69	325
170/55 – 17 M/C	70	335
170/55 – 18 M/C	71	345
170/55 – 19 M/C	72	355
180/55 – 16 M/C	71	345
180/55 – 17 M/C	73	365
180/55 – 18 M/C	74	375
180/55 – 19 M/C	75	387
190/55 – 16 M/C	74	375
190/55 – 17 M/C	75	387
190/55 – 18 M/C	76	400
190/55 – 19 M/C	77	412
200/55 – 17 M/C	78	425
200/55 – 18 M/C	79	437
210/55 – 18 M/C	82	462
^a The full designation shall be as given in Clause 4. ^b See Clause 8. Normal-load version.		

Table 22 — Maximum tyre load ratings for 50 series tyres

Tyre size designation ^a	Load index	Maximum load capacity ^b kg
160/50 – 16 M/C	63	272
160/50 – 17 M/C	64	280
160/50 – 18 M/C	65	290
160/50 – 19 M/C	66	300
170/50 – 16 M/C	66	300
170/50 – 17 M/C	67	307
170/50 – 18 M/C	68	315
170/50 – 19 M/C	69	325
180/50 – 16 M/C	69	325
180/50 – 17 M/C	70	335
180/50 – 18 M/C	71	345
180/50 – 19 M/C	72	355
190/50 – 16 M/C	72	355
190/50 – 17 M/C	73	365
190/50 – 18 M/C	74	375
190/50 – 19 M/C	75	387
200/50 – 17 M/C	75	387
200/50 – 18 M/C	76	400
210/50 – 17 M/C	78	425
240/50 – 16 M/C	84	500
^a The full designation shall be as given in Clause 4.		
^b See Clause 8. Normal-load version.		

Table 23 — Maximum tyre load ratings for 40 series tyres

Tyre size designation ^a	Load index	Maximum load capacity ^b kg
240/40 – 18 M/C	79	437
250/40 – 18 M/C	81	462
^a The full designation shall be as given in Clause 4.		
^b See Clause 8. Normal-load version.		