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GB/T 3487-2015

Replacing GB/T 3487-2005

Rims for passenger car

(ISO 4000-2:2013, Passenger car tyres and rims – Part 2: Rims, MOD)

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Foreword

This Standard is drafted according to the rules given in the GB/T 1.1-2009.

This Standard replaces GB/T 3487-2005 *Rim contours for motor vehicles*. Compared with GB/T 3487-2005, the major technical differences are as follows:

- DELETE the “Marks of rim contours” (Chapter 3 of the 2005 version).
- DELETE the “Rim contours for trucks and passenger cars” (Chapters 5, 6, 7 and 8 of the 2005 version).
- DELETE the Type JJ, Type K, Type L, Type LB, Type D, Type E and Type F rim contours (SEE Sections 5.1.4, 5.1.5, 5.1.6 and 5.1.7 of the 2005 version).
- ADD the rim contours of the nominal rim diameters with the designations of 28 and 30 (SEE Tables 1 and 4).
- MODIFY the Appendix A (SEE Appendix A).
- DELETE the Appendix B (Appendix B of the 2005 version).

This Standard uses the redrafting method to modify ISO 4000-2:2013 *Passenger car tyres and rims – Part 2: Rims*.

Compared with ISO 4000-2:2013, this Standard makes adjustments in structure. Section numbers of this Standard and ISO 4000-2:2013 are listed in the control list in Appendix A.

There are technical differences between this Standard and ISO 4000-2:2013, which is primarily for ease of use. ADD the “Designations of rim contours” and its schematic diagram (SEE Chapter 4 of this version). DELETE the Chapter 4 of ISO 4000-2:2013 since its contents have been stipulated in the reference standard.

This Standard also makes the following editorial modifications:

- MODIFY the standard name; and
- DELETE the references.

This Standard was proposed by China Petroleum and Chemical Industry Federation.

Rims for passenger car

1 Scope

This Standard specifies the specifications, contour and dimensions of 5° drop-center rims intended for the wheel and tyre engaging portions of passenger cars.

This Standard **is applicable to** the wheel rims for passenger cars.

2 Normative references

The following documents are essential to the application of this document. For dated references, only the versions with the dates indicated are applicable to this document. For undated references, only the latest versions (including all the amendments) are applicable to this document.

GB/T 2933 *Wheels and rims for pneumatic tyres – Vocabulary, designation and marking* (GB/T 2933-2009, ISO 3911:2004, IDT)

3 Terms and definitions

The terms and definitions defined in GB/T 2933 and Figure 1 are applicable to this document.

4 Designations of rim contours

For the designations of rim contours, SEE Figure 1.

Table 3 Round Hump Dimensions “E” (SEE Figure 3) Unit: mm

Rim width designations	<i>E</i>
3.00 B and 3 J	13 min
3.50 B, $3\frac{1}{2}$ J, 4.00 B, 4 J	16 min
4.50 B, $4\frac{1}{2}$ J and above	$21.0^{+2.0}_{-0.0}$ ^a
^a When the rim width is within the range of 4.50 B ($4\frac{1}{2}$ J) to 7.00 B (7 J), it is allowed to take the value of $19.5^{+2.0}_{-0.0}$ mm.	

5.3 Specified rim diameter and round hump circumference

The specified diameters *D* and round hump circumferences corresponding to the designations of the nominal rim diameters are listed in Table 4.

Table 4 Specified Diameters and Round Hump Circumferences of the 5° Drop-center Rim (5° DC)

Unit: mm

Designations of the nominal rim diameters	Specified diameter $D \pm 0.4$ ^a	Circumference	
		FH $\begin{smallmatrix} 0.0 \\ -3.5 \end{smallmatrix}$	RH $\begin{smallmatrix} 0.0 b \\ -3.5 \end{smallmatrix}$
10	253.2	795.4	797.6
12	304.0	955.0	957.6
13	329.4	1 034.8	1 037.0
14	354.8	1 114.6	1 116.8
15	380.2	1 194.4	1 196.6
16	405.6	1 274.2	1 276.4
17	436.6	1 371.6	1 373.8
18	462.0	1 451.4	1 453.6
19	487.4	1 531.2	1 533.4
20	512.8	1 611.0	1 613.2
21	538.2	1 690.8	1 693.0
22	563.6	1 770.6	1 772.8
23	589.0	1 850.4	1 852.6
24	614.4	1 930.2	1 932.4
25	639.8	2 010.0	2 012.2
26	665.2	2 089.8	2 092.0
28	716.0	2 249.4	2 251.6
30	766.8	2 409.0	2 411.2
^a Tolerances are only used for tyre design here. USE the ball tape calibrated by a mandrel to measure the circumference and diameter of the rim. OBTAIN the relationship between mandrel diameter and specified diameter via geometric conversion.			
^b When setting the round hump on the inner side of the rim, the tolerance is allowed to be $\begin{smallmatrix} -2^{\circ} \\ 0^{\circ} \end{smallmatrix}$ mm.			

Appendix A

(Informative)

Control list for section numbers of this Standard and ISO 4000-2:2013

**Table A.1 Control List for Section Numbers of
This Standard and ISO 4000-2:2013**

Section numbers of this Standard	Section numbers of ISO 4000-2:2013
1	1
2	2
3	3
-	4
4	-
5	5
5.1	5.1
5.2	5.2
5.3	5.3
5.4	6
5.4.1	6.1
5.4.2	6.2
5.4.3	6.3
Figure 1	-
Figure 2	Figure 1
Figure 3	Figure 2
Figure 4	Figure 3
Figure 5	Figure 4
Appendix A (Informative)	-

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