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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 2983-2015

**Series of motorcycle tyres
(English Translation)**

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Foreword

This Standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces GB/T 2983-2008 "Series of motorcycle tyres".

Compared with GB/T 2983-2008, the main technical changes are as follows.

- ADD the definitions of centrifugal radius and rolling radius (see 3.1 and 3.2);
- Delete the provision that the small-diameter tyres for code-designated series motorcycle tyres are not suitable for off-road operations, such as transportation (see 4.1 of the 2008 edition);
- Delete the provision that the maximum speed of small-diameter tyres for metric series motorcycle tyres is 120 km/h (see 4.2 of the 2008 edition);
- ADD the additional mark indication method for the load index and speed symbol of the moped tyres; ADD the load index value of each specification (see 5.3 and Table 10, Table 11);
- ADD centrifugal radius and rolling radius as use reference dimensions (see

6.5 and Appendix C);

- ADD a total of 5 new specifications, 3.60-18, 4.60-17, 2.75-8, 3.75-12, and 5.00-12, to the motorcycle tyres of code-designated series; ADD 5 reinforced and 4 heavy-duty varieties to the previous specifications (see Table 1 and Table 2);
- For the last sentence of the footnote "a" for the new tyre design section width in specification parameter tables of the metric series motorcycle tyres, modify it to "For tyres with a tread that is wider than its section width, the total tread width is designated as the section width. And it shall not be less than its minimum design section width value." So that it is applicable to tread profiles other than Type A; and also applicable to the code-designated series (see Table 1, Table 2, Table 5, Table 6, and Table 7; Table 5, Table 6, and Table 7 of the 2008 edition);
- Modify the outer diameter design and manufacturing tolerance factor of the footnote "b" in specification parameter tables for the motorcycle tyres of code-designated series and metric series; ADD the selected values of tolerance factor for different tread patterns (see Table 1, Table 2, Table 5~Table 7; Table 1, Table 2, Table 5~Table 7 of the 2008 edition);
- ADD the value regulation of "taking the integer value according to GB/T 8170" when calculating the tyre dimension tolerance, to the footnotes of all tyre specification parameter tables (see Table 1, Table 2, Table 5, Table 6, Table 7, Table 10 and Table 11);
- ADD the applicable rims for the nominal section width 3.60 and (small-diameter) 3.75, 5.00 in motorcycle tyres of code-designated series (see Table 3 and Table 4);
- ADD the nominal aspect ratios of 30, 35 and 75 for metric series motorcycle tyres (nominal rim diameter of 13~24); and, supplement 27 new specifications (see Table 5 and Table 6);

- ADD 9 new specifications of metric series motorcycle tyres (nominal rim diameter of 8~12) (see Table 7);
- ADD the applicable rims for 9 new nominal section widths in the metric series motorcycle tyres (see Table 8);
- ADD the parameters for nominal rim diameters of 11, 20M/C, 23M/C and 24M/C (see Table 14);
- ADD 17 tyre design section height values corresponding to the newly-added nominal section widths (see Table 15);
- Modify the division of tread patterns of motorcycle tyres to no longer being limited to the previous metric series; redefine the scope of application (see Appendix A; Appendix A of the 2008 edition);
- ADD speed symbol Y (see Table B.2);
- For the load-carrying change rate of tyres with different speeds of ≤ 150 km/h, add the applicable symbols and related instructions (see Table B.3).

This Standard uses the redraft law to refer to ISO 4249-1.1985 "Motorcycle tyres and rims (code-designated series) - Part 1.Tyre", ISO 4249-2.1990 "Motorcycle tyres and rims (code-designated series) - Part 2.Tyre load ratings", ISO 4249-3.2010 "Motorcycle tyres and rims (code-designated series) - Part 3. Rims", ISO 5751-1.2010 "Motorcycle tyres and rims (metric series) - Part 1. Design guides", ISO 5751-2.2010 "Motorcycle tyres and rims (metric series) - Part 2.Tyre dimensions and load-carrying capacities", ISO 5751-3.2010 "Motorcycle tyres and rims (metric series) - Part 3.Range of approved rim contours", ISO 5995-1.1982 "Moped tyres and rims - Part 1.Tyres", and ISO 6054-1.1994 "Motorcycle tyres and rims (code-designated series) - Diameter codes 4 to 12 - Part 1.Tyres" for preparation. The degree of consistency with them is non-equivalent.

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

This Standard shall be under the jurisdiction of National Technical Committee

19 on Tyres and Rims of Standardization Administration of China (SAC/TC 19).

Drafting organizations of this Standard. Guangzhou Rubber Industry Products Research Institute Co., Ltd., Cheng Shin Rubber (Xiamen) Ind. Ltd., Kenda Rubber (Shenzhen) Co., Ltd., Guangzhou Diamond Tire Co., Ltd., New Dongyue Group Co., Ltd., Jiangsu General Science Technology Co., Ltd., Xuzhou Hanbang Tire Co., Ltd., Zhongce Rubber Group Co., Ltd., Tianjin Wanda Tyre Group Co., Ltd., Jiangsu Feichi Co., Ltd., Nanchang Motorcycle Quality Supervision and Inspection Institute, Sichuan Yuanxing Rubber Co., Ltd. Main drafters of this Standard. Chen Qiufa, Zhu Hongsuo, Chen Jianming, Zhang Yongcheng, Chen Qingsong, Huang Yaomin, Li Yong, Lei Ling, Liu Yan, Ye Fan, Yu Zhenjiang, Ding Xinghai, Chen Jianfa, Zhang Guangfu, Xie Sihai. The previous editions of the standard replaced by this Standard were released as follows.

- GB 2983-1982, GB 2983-1991, GB/T 2983-1997, GB/T 2983-2008.

Series of motorcycle tyres

1 Scope

This Standard specifies the terms and definitions, classification, indication method of specification mark and its additional mark, specifications, dimensions, pressure, load, and rims of motorcycle tyres.

This Standard applies to new pneumatic tyres for motorcycles.

2 Normative references

The following documents are indispensable for the application of this document.

For the dated references, only the editions with the dates indicated are applicable to this document. For the undated references, the latest edition (including all the amendments) are applicable to this document.