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AUTOMOTIVE INDUSTRY STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

ICS 43.040

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QC/T 356-2023

Replacing QC/T 356-1999

Wheel Nuts with Spherical Seat

球面车轮螺母

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Foreword

This Document was drafted as per the rules specified in GB/T 1.1-2020 *Directives for Standardization – Part 1: Rules for the Structure and Drafting of Standardizing Documents*.

This Document replaced QC/T 356-1999 *Automobile Wheel Nut - Spherical Nut*. Compared with QC/T 356-1999, the major technical changes of this Document are as follows:

- Raise the tolerance grade of the product from B to A (see Table 2 of this Edition);
- Modify the structure and size of the product (see Figure 1, Figure 2, and Table 1 of this Edition);
- Modify the category of surface treatment (see Table 2 of this Edition);
- Cancel the left-hand thread and its rotation direction mark.

This Document was proposed by and under the jurisdiction of National Technical Committee of Auto Standardization (SAC/TC 114).

Drafting organizations of this Document: Zhejiang Jieneng Auto Parts Co., Ltd.; Zhejiang Daqi New Energy Automobile Co., Ltd.; Zhejiang University; Anhui Jianghuai Automobile Group Co., Ltd.; Zhejiang University of Science and Technology; Beijing Foton Daimler Automotive Co., Ltd.; China National Heavy Duty Truck Group Co., Ltd.; and Hangzhou Shibao Auto Steering Gear Co., Ltd.

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The historical editions replaced by this Document are as follows:

- QC/T 356-1999;
- It is first-time revised hereby.

Wheel Nuts with Spherical Seat

1 Scope

This Document specifies the type, size, technical conditions and number of wheel nuts with spherical seat for automotive with thread specifications of $M12 \times 1.5$ to $M20 \times 1.5$ and mechanical property grades 8 and 10.

This Document applies to wheel nuts with spherical seat for automotive.

2 Normative References

The provisions in following documents become the essential provisions of this Document through reference in this Document. For the dated documents, only the versions with the dates indicated are applicable to this Document; for the undated documents, only the latest version (including all the amendments) is applicable to this Document.

GB/T 90.1 Fasteners – Acceptance inspection

GB/T 90.2 Fasteners – Marking and packaging

GB/T 196 General purpose metric screw threads - Basic dimensions

GB/T 197 General purpose metric screw threads – Tolerances

GB/T 3098.2 Mechanical properties of fasteners - Nuts

GB/T 3103.1 Tolerances for fasteners - Bolts, screws and nuts

GB/T 5779.2 Fasteners - Surface discontinuities – Nuts

QC/T 326 Coding rules for automotive standardized parts

QC/T 625 Metallic coatings and conversion coatings for automobile

3 Terms and Definitions

For the purposes of this Document, no terms and definitions are necessary to be given.

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