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AUTOMOTIVE INDUSTRY STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

ICS 43.040

CCS T 33

QC/T 354-2023

Replacing QC/T 354-1999

Wheel Nuts with Flange and Spherical Washers

法兰面车轮螺母与球面垫圈

Issued on: December 20, 2023

Implemented on: July 1, 2024

**Issued by: Ministry of Industry and Information Technology of the People's
Republic of China**

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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 354-1999 *Automobile Wheel Nut - Flange Spherical Nut*. Compared with QC/T 354-1999, the major technical changes of this Document are as follows:

- Modify the standard name;
- Raise the product tolerance grade from B to A (see Table 2 of this Edition);
- Change the structural type and size (see Figure 1, Figure 2, Table 1, Table 2 of this Edition);
- Change the surface treatment category (see Table 3 of this Edition);
- Cancel the left-hand thread and its mark of the product.

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 University; Zhejiang Asia Pacific Intelligent Connected Vehicle Innovation Center Co., Ltd.; Dongfeng Motor Group Co., Ltd.; Zhejiang University of Technology; China Automotive Engineering Research Institute Co., Ltd.; Anhui Jianghuai Automobile Group Co., Ltd.; and Chery Automobile Co., Ltd.

Chief drafting staffs of this Document: Guo Fushun, Huang Rui, Yang Aixi, Li Yan, Pu Zhongyu, Tang Shuhua, Wu Huaiwei, Dai Mengjie, and Ji Mingwei.

The historical editions replaced by this Document are as follows:

- QC/T 354-1999;
- It is first-time revised hereby.

Wheel Nuts with Flange and Spherical Washers

1 Scope

This Document specifies the type, size, technical conditions and numbering of wheel nuts with flange and spherical washers with thread specifications of M12×1.5 to M22×1.5 and mechanical property grades 8 and 10.

This Document is applicable to wheel nuts with flange and spherical washers used in pairs.

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 1222 Spring steels

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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