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QC

**AUTOMOBILE INDUSTRY STANDARD
OF THE PEOPLE'S REPUBLIC OF CHINA**

ICS 43.040

T 31

QC/T 340-2017

Replacing QC/T 340-1999

Hexagon bolts with serrated flange for automobile

汽车用六角法兰承面带齿螺栓

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Annex:

References, names and dates of implementation of 42 automotive industry standards

No.	Standard reference	Standard name	Standard reference being substituted	Date of implementation
250	QC/T 776-2017	Motor caravan	QC/T 776-2007	2017-07-01
251	QC/T 1051-2017	Coach car		2017-07-01
252	QC/T 1052-2017	Communication vehicle		2017-07-01
253	QC/T 1053-2017	Concrete spraying vehicle		2017-07-01
254	QC/T 1054-2017	Tunnel cleaning vehicle		2017-07-01
255	QC/T 1055-2017	Drainage and rescue vehicle		2017-07-01
256	QC/T 218-2017	Technical specifications for steering column upper combined switch of automobile	QC/T 218-1996	2017-07-01
257	QC/T 1056-2017	Technical requirements and test methods for automotive dual clutch automatic transmission assembly		2017-07-01
258	QC/T 245-2017	Technical specifications for isolated plant of compressed-natural-gas (CNG) automobile	QC/T 245-2002	2017-07-01
259	QC/T 247-2017	Technical specifications for isolated plant of liquefied petroleum gas	QC/T 247-2002	2017-07-01
260	QC/T 1057-2017	Car snow chains		2017-07-01
261	QC/T 1058-2017	Car fingerprint identification device		2017-07-01

283	QC/T 1067.1-2017	Road Vehicles - Connections for On-board Electrical Wiring Harnesses - Part 1: Definitions, Test Methods and General Performance Requirements (the Automobile Part)	QC/T 417.1-2001	2017-07-01
284	QC/T 1067.2-2017	Automotive connectors for electrical harnesses and electrical equipment - Part 2: Types and dimensions of plug terminals	QC/T 417.3-2001 QC/T 417.4-2001 QC/T 417.5-2001	2017-07-01
285	QC/T 1067.3-2017	Automotive connectors for electrical harnesses and electrical equipment - Part 3: Wire connector type, size and special requirements	QCn 29010-1991 QCn 29011-1991 QCn 29013-1991	2017-07-01
286	QC/T 1068-2017	Asynchronous drive motor system for electric vehicles		2017-07-01
287	QC/T 1069-2017	Permanent magnet synchronous drive motor system for electric vehicles		2017-07-01
288	QC/T 1070-2017	Technical specifications of automobile parts remanufactured products		2017-07-01
289	QC/T 1071-2017	Test method for steady state flow characteristics of automotive engine cylinder head airways		2017-07-01

Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009 "Directives for standardization - Part 1: Structure and drafting of standards".

This Standard replaces QC/T 340-1999 "Hexagon flange bearing toothed bolt". Compared with QC/T 340-1999, the main technical changes in this Standard are as follows:

- added bolt diameter specification;
- adjusted thread length specification;
- modified partial technical requirements.

This Standard was proposed by and shall be under the jurisdiction of National Technical Committee on Automobile of Standardization Administration of China (SAC/TC 114).

The drafting organizations of this Standard: China National Heavy Duty Truck Group Co., Ltd. Technology Development Center, Beijing Automobile Corporation, Dongfeng Motor Corporation Technology Center, Liuzhou Wuling Automobile Industry Co., Ltd., Shanghai Automotive Group Co., Ltd., Hangzhou Prager New Energy Automobile Co., Ltd., Shanghai Ball Ming Standard Parts Co., Ltd., Fuaio Auto Parts Co., Ltd. Fastener Branch, Dongfeng Motor Fastener Co., Ltd.

Main drafters of this Standard: Jiang Xiangdong, Yang Yongxiang, Wang Peng, Zhang Chunlin, Kong Xiaobing, Lao Guangyi, Huang Hao, Zhu Jianming, Guo Fushun, Zhou Riqiu, Li Xinghui, Shen Yan.

Versions of standard substituted by this Standard are:

- ZB T 31017-1987;
- QC/T 340-1999.

Hexagon bolts with serrated flange for automobile

1 Scope

This Standard specifies hexagon bolts with serrated flange for automobile of which thread specifications are M6 ~ M20, M8×1 ~ M20×1.5 and M10×1.25 ~ M20×2, performance level is 8.8, 10.9, product level is A and B.

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.

GB/T 2, *Fastener - End of external threaded part*

GB/T 90.1, *Fasteners - Acceptance inspection*

GB/T 90.2, *Fasteners - Marking and packaging*

GB/T 193, *Ordinary thread - Diameter and pitch series*

GB/T 3098.1, *Mechanical Properties of Fasteners - Bolts, Screws and Studs*

GB/T 3103.1, *Essential oils and aromatic extracts - Determination of residual benzene content*

GB/T 5779.1, *Fasteners - Surface discontinuities - Bolts, screws and studs for general requirements*

GB/T 9145, *General purpose metric screw threads - Limits of sizes for the screw threads of medium quality and preferable plan*

QC/T 326, *Automotive standard parts product numbering rules*

QC/T 625, *Metallic coatings and conversion coatings for automobiles*

3 Type and size

The type and size of hexagon bolts with serrated flange for automobile shall comply with Figure 1 and Table 1.

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Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

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