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AUTOMOBILE INDUSTRY STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

ICS 43.040

CCS T 33

QC/T 268-2023

Replacing QC/T 268-1999

**Permissible automobile cold stamping variations in
dimensions without tolerance indication**

汽车冷冲压加工零件未注公差尺寸的极限偏差

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Announcement of Ministry of Industry and Information Technology of the People's Republic of China

No.7, 2023

The Ministry of Industry and Information Technology approved 586 industry standards, including "Ethylenediaminetetraacetic acid for industrial use" (see Attachment 1). Among them, there are 32 chemical industry standards, 13 petrochemical industry standards, 9 ferrous metallurgical industry standards, 51 non-ferrous metal industry standards, 71 machinery industry standards, 43 automobile industry standards, 8 shipbuilding industry standards, 141 light industry standards, 35 textile industry standards, 2 items packaging industry standards, 16 electronics industry standards, 165 communication industry standards. It approved 53 industry standards of foreign language versions, including the "Evaluation method for coagulation performance of water treatment agents" (see Attachment 2); among them, there are 16 chemical industry standards, 4 non-ferrous metal industry standards, 3 rare earth industry standards, 8 building materials industry standards, 7 machinery industry standards, 2 light industry standards, 3 textile industry standards, 10 communications industry standards. It is now announced.

The above chemical industry standards (including foreign language versions) are published by Chemical Industry Press. The petrochemical industry standards are published by Sinopec Press. The ferrous metal industry standards, non-ferrous metal industry standards (including foreign language versions), rare earth industry standards in foreign language versions are published by Metallurgical Industry Press. The foreign language version of building materials industry standards is published by China Building Materials Industry Press. The machinery industry standards (including foreign language versions) are published by Machinery Industry Press. The automotive industry standards and packaging industry standards are published by Beijing Science and Technology Press. The shipbuilding industry standards are published by The China Institute of Comprehensive Technology and Economics of the Shipbuilding Industry. The light industry standards (including foreign language versions) are published by China Light Industry Press. The textile industry standards (including foreign language versions) are published by China Textile Publishing House. The electronic industry standards are published by China Electronics Technology Standardization Institute. The communications industry standards (including foreign language versions) are published by the People's Posts and Telecommunications Press. The communications industry engineering construction standards are published by Beijing University of Posts and Telecommunications Press.

Attachment: 43 automotive industry standard numbers, standard names, implementation dates

Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document replaces QC/T 268-1999 "Extreme deviation for undeclared tolerance size of processing parts for automobile cold stamping". Compared with QC/T 268-1999, in addition to structural adjustments and editorial modifications, the main technical changes are as follows:

- a) ADD normative references (see Chapter 2);
- b) DELETE the terms and definitions of "punching dimensions", directly quoting the terms and definitions defined in GB/T 15055 (see Chapter 3; Chapter 2 of the 1999 edition);
- c) DELETE the limit deviation provisions of holes and shafts without dimension indications in Table 1; CHANGE "basic dimensions" to "nominal dimensions", adding the tolerance grading (see 4.1; Table 1 of the 1999 edition);
- d) CHANGE the "punching angle without tolerance indication" to "punching angle without tolerance indication" (see 4.2; 3.4 of the 1999 edition);
- e) CHANGE some values of the angle limit deviation in Table 3 (see 4.2.2; Table 3 of the 1999 edition);
- f) CHANGE the "bending angle without tolerance indication" to "bending angle without tolerance dimension indication" (see 5.2; 4.3 of the 1999 edition);
- g) CHANGE the key "angle short side length mm" in Table 6 to "angle short side length L/mm" (see 5.2.2; Table 6 of the 1999 edition);
- h) ADD the grading for the limit deviation of the hole spacing without tolerance indications affected by warpage (see 7.4.2);
- i) CHANGE " T_{minimum} " to " T_{min} "; CHANGE " T_{nominal} " to " T " (see 6.5; 5.5 of the 1999 edition).

Please note that some contents of this document may involve patents. The issuing agency of this document does not assume the responsibility of identifying patents.

This document was proposed by AND shall be under the jurisdiction of the National Automobile Standardization Technical Committee (SAC/TC 114).

Drafting organizations of this document: Dongfeng Motor Group Co., Ltd., Pan Asia Automotive Technology Center Co., Ltd., Beijing Automotive Off-road Vehicle

Permissible automobile cold stamping variations in dimensions without tolerance indication

1 Scope

This document specifies the permissible automobile cold stamping variations in dimensions without tolerance indication in the drawings of automotive product parts.

This document is applicable to the permissible automobile cold stamping variations in dimensions without tolerance indication in the drawings of automotive product parts.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, for dated references, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

GB/T 15055 Permissible stamping variations in dimensions without tolerance indication

3 Terms and definitions

The terms and definitions defined in GB/T 15055 apply to this document.

4 Limit deviations of dimensions without tolerance indications for flat stamping

4.1 Limit deviations of dimensions without tolerance indications for flat stamping punching length L and diameter D/d

4.1.1 See Figure 1 for the flat stamping punching length L, diameter D/d, punching arc radius R.

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