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

GB/T 26495-2021

Replacing GB/T 26495-2011

Magneium alloy die casting for steering wheel armature

镁合金压铸转向盘骨架坯料

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules of Standardization Documents" Drafting. This document replaces GB/T 26495-2011 "Magnesium Alloy Die Casting Steering Wheel Skeleton Blanks". Compared with GB/T 26495-2011, the main technical changes are as follows:

- a) The term for steering wheel assembly has been deleted (see 3.10 of the 2011 edition);
- b) All-magnesium alloys and steel-embedded magnesium alloys have been added to the product category (see 4.1, 4.1.1 of the 2011 edition);
- c) Added quality assurance requirements (see Chapter 5);
- d) The chemical composition requirements of chemically banned substances have been added (see 6.1, 4.2 in the 2011 edition);
- e) Added dimensional deviation requirements and schematic diagrams (see 6.2, 4.4 in the 2011 edition);
- f) The requirement for weight deviation has been added (see 6.3);
- g) Added compression performance requirements (see 6.6);
- h) The requirements for penetrant testing have been added (see 6.7). Please note that some of the contents of this document may involve patents. The issuing agency of this document is not responsible for identifying patents. This document was proposed by China Nonferrous Metals Industry Association. This document is under the jurisdiction of the National Non-ferrous Metals Standardization Technical Committee (SAC/TC243). Drafting organizations of this document. Shanghai Fangke Auto Parts Co., Ltd., Wanfeng Meiruiding New Material Technology Co., Ltd., Henan Terun Technology Service Service Co., Ltd.,

Non-ferrous Metal Technology and Economic Research Institute Co., Ltd., Ningbo Xingyuan Zhuomai Technology Co., Ltd., Zhongshan Jaguar Special Material Technology Co., Ltd., Chongqing University, FAW Group Co., Ltd., Shanxi Yinguang Huasheng Magnesium Co., Ltd., Zibo Deyuan Metal Material Co., Ltd., Hefei Siyi Tianbra New Material Technology Co., Ltd., Chongqing Changan Automobile Co., Ltd., Chongqing Boao Magnesium Aluminum Metal Manufacturing Co., Ltd., Shanghai Jiaotong University, Dongguan Yian Technology Co., Ltd., Shandong Yinguang Yuyuan Light Metal Precision Forming Co., Ltd., Nanjing Yunhai Light Metal Precision Manufacturing Co., Ltd. The main drafters of this document. Li Shengjie, Chen Lei, Xi Huan, Pan Fusheng, Li Hui, Chen Huiming, Du Liang, Bai Jingfu, Song Jiangfeng, Li Weili, Liu Zhongliang, Shi Xianzhu, Liu Bo, Li Zujang, Xiang Dongxia, Pang Dong, Wang Yingxin, Tan Hongfeng, Qiu Zhuoxiong, Sun Xinxin. This document was first published in May.2011, and this is the first revision. Magnesium alloy die-cast steering wheel frame blank

1 Scope

GB/T 26495-2021 is the Chinese national standard on magnesium alloy die casting for steering wheel armature, in the field of metallurgy. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 20 August 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 March 2022. Classification: ICS 77.150.99, CCS H61. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to This document.

GB/T 223 (all parts) Steel and alloy chemical analysis methods

GB/T 231.1 Brinell Hardness Test of Metallic Materials Part

GB/T 699 High-quality carbon structural steel

GB/T 700 carbon structural steel

GB/T 1184 shape and position tolerance without tolerance value

GB/T 1804 General Tolerance Tolerance of linear and angular dimensions without tolerance

GB/T 4297 Microstructure inspection method of wrought magnesium alloy

GB/T 4336 Carbon steel and low- and medium-alloy steel determination of multi-element content Spark discharge atomic emission spectrometry (conventional method)

GB/T 6414 Casting dimensional tolerance, geometric tolerance and machining allowance

GB/T 11351 Casting weight tolerance

GB/T 13748 (all parts) Methods for chemical analysis of magnesium and magnesium alloys

GB/T 16865 Specimen and methods for tensile test of deformed aluminum, magnesium and its alloy processed products

GB/T 18851.1 Non-destructive testing Penetrant testing Part

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Coldshut At the place where the molten metal meets or overlaps, the surface of the die-casting part forms an obvious linear pattern or is close due to the improper supply of the molten metal stream. Interlayers or delamination are formed inside the surface.