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

GB/T 5330-2025

Replacing GB/T 5330-2003

Industrial woven metal wire cloth (square opening series)

工业用金属丝编织方孔筛网

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 5330-2003 "Industrial Metal Wire Woven Square Hole Screens". Compared with GB/T 5330-2003, except for the structure... Aside from adjustments and editorial changes, the main technical changes are as follows:

---The values for the arithmetic mean size deviation of the mesh and the range of large mesh deviation have been changed (see Tables 1 and 2, 2003 editions of Tables 1 and 2);

---The description and requirements for weaving defects in metal wire braided square mesh have been revised (see 5.2.2,

4.6.3 of the 2003 edition);

---The maximum permissible number of major weaving defects in woven square mesh wire mesh has been changed (see Table 3, Table 4 in the 2003 edition);

---Added specifications for the tensile strength of woven square-hole metal wire mesh (see 5.2.9);

---The values for the wire diameter and limit deviations have been changed (see Table 5, Table 3 in the 2003 edition);

---The requirements for selecting metal wire have been changed (see 5.3.1, 4.5.1 in the 2003 edition);

---Added provisions regarding the permissible limits of the wire diameter (see 5.3.4);

---The regulations regarding the distance between the inspection location and the edge of the net have been changed (see 6.5,

5.4 of the.2003 edition);

---Added relevant provisions for evaluating the results of wire mesh testing (see 6.7, 6.8). Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Particle Characterization, Sorting and Screening (SAC/TC168). This document was drafted by: Xinxiang Xinhang Wire Mesh Filter Co., Ltd., Xinxiang Bashan Aviation Materials Co., Ltd., and Huzhou Jintai Conductor Technology Co., Ltd. Limited Liability Company, Hebei Wire Mesh Industry Technology Research Institute Co., Ltd., Fujian Qianglun New Material Co., Ltd., Tianneng Battery Group Co., Ltd. The company, Anping Jindelong Wire Mesh Co., Ltd., Hebei Yingkaimo Metal Mesh Co., Ltd., Anping County Tengde Metal Wire Mesh Products Co., Ltd., Hangzhou Hengyi Screening Mesh Co., Ltd., Hebei Huanyu Metal Wire Mesh Products Co., Ltd., Liaoning Zhongke Lile Testing Technology Service Co., Ltd., Yingkai Mould & Metal Shuwang Co., Ltd., Hunan Wujiang Machine Screen Co., Ltd., China Machinery Research Institute (Beijing) Co., Ltd., and China Jiliang University. The main drafters of this document are. Song Guojian, Bai Qianyang, Li Xuebin, Cui Wei, Huang Chaoqiang, Mao Shuyan, Song Baolong, Yan Xiangyang, Wang Shansong, and Wang Lingpeng. Wang Tianlun, Jin Shu, Yan Yuanhai, Chen Xing, Wang Tan, Hou Changge, Zhang Xi, Zhu Peiwu. This document was first published in 1985, revised for the first time in.2003, and this is the second revision.

Industrial woven square-hole wire mesh

1 Scope

GB/T 5330-2025 is the Chinese national standard covering woven wire screen cloth - the aperture series and the wire diameters that go with each, the tolerances on aperture size and on the count of oversize openings, the weave types, and the marking and inspection of a cloth used to classify material. At 25,000 words. It replaces GB/T 5330-2003, a standard twenty-two years old. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026, replacing GB/T 5330-2003.

This document specifies the weaving style and type of industrial metal wire woven square hole screens with basic mesh sizes ranging from 0.02mm to 16.00mm. Number and specifications, technical requirements, inspection methods, inspection rules, and marking, packaging, transportation, and storage. This document applies to the screening of solid particles, the filtration of liquids and gases, and the production of woven square-hole metal wire mesh for other industrial applications. Production, inspection and acceptance.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 5329 Test sieves and sieve testing terminology

GB/T 10611 Marking methods and mesh size series for industrial wire mesh

JB/T 7860 Metal Wire for Industrial Mesh ISO 4783-

1 Guide to the selection of combinations of mesh size and wire diameter for industrial wire mesh and woven wire mesh - Part 1

3 Terms and Definitions

The terms and definitions defined in GB/T 5329 apply to this document.

4 Weaving type, model and specifications

4.1 Weaving style Metal wire woven square mesh is mainly divided into plain weave (see Figure 1) and twill weave (see Figure 2). Figure