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PEOPLE'S REPUBLIC OF CHINA

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**Office furniture - Tables and desks - Test methods for the
determination of stability, strength and durability**

办公家具 桌台类 稳定性、强度和耐久性测试方法

(ISO 21016:2007, IDT)

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Foreword

This Standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard, using translation method, is identical to ISO 21016:2007 "Office furniture - Tables and desks - Test methods for the determination of stability, strength and durability".

China's document which has a consistent correspondence with the international document normatively referenced in this Standard is as follows:

- GB/T 10357.5-2011 Test of mechanical properties of furniture - Part 5: Strength and durability of storage units (ISO 7170:2005, MOD)

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority of this document shall not be held responsible for identifying any or all such patent rights.

This Standard was proposed by China National Light Industry Council.

This Standard shall be under the jurisdiction of National Technical Committee 480 on Furniture of Standardization Administration of China (SAC/TC 480).

Drafting organizations of this Standard: DaKang Holding Co., Ltd., Foshan Wision Furniture Manufacturing Co., Ltd., Shanghai Institute of Quality Inspection and Technical Research, Zhongshan Huasheng Furniture Manufacturing Co., Ltd., Xiamen Biaopu Standardization Service Co., Ltd., Huzhou Haiqing Wood Bamboo Technology Co., Ltd., Zhejiang Sunon Furniture Manufacturing Co., Ltd., China National Quality Supervision and Testing Center for Furniture (Guangdong), National Center for Quality Supervision & Inspection of Furniture and Indoor Environment, Zhejiang Furniture and Hardware Research Institute.

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Office furniture - Tables and desks - Test methods for the determination of stability, strength and durability

1 Scope

This Standard specifies test methods for the determination of the stability, the strength and the durability of office tables designed for use in the seated or standing position, e.g. work tables, height-adjustable tables, meeting tables and desks. This Standard applies to products that are fully assembled and ready for use.

This Standard does not contain test methods for storage elements, which can be found in ISO 7170.

The test methods consist of the application, to various parts of the unit, of loads, forces and velocities simulating normal functional use of office table, as well as misuse, that can reasonably be expected to occur.

With the exception of the deflection of table tops, the tests are designed to evaluate properties without regard to materials, design, construction and manufacturing processes.

The test results are valid only for the sample tested. These results can be used to represent the performance of production models provided that the tested sample is representative of the production model.

Tests carried out according to this Standard are intended to demonstrate the ability of the item to give satisfactory service in its intended use environment. However, such tests do not ensure that structural failure will not eventually occur as a result of habitual misuse or after an excessively long period of service. The test methods in this Standard have been developed for units or components that have not been in use. However, when properly justified, they can be used for product fault investigation.

This Standard specifies test methods only. It does not specify requirements. These should be specified in a requirements document. If this is not available, forces and number of cycles can be found in Annex A.

Assessment of ageing and degradation is not included in this Standard.

2 Normative references

The following documents are indispensable for the application of this document. For

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