

ICS 91.060.50  
CCS P 32

**JG**

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

**JG/T 453-2014**

Replacing JG/T 3054-1999

---

**Side-hung apartment doors  
(English Translation)**

**Issued on: October 20, 2014**

**Implemented on: April 1, 2015**

---

**Issued by: Ministry of Housing and Urban-Rural Development of the  
People's Republic of China**

## Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Product categories

5 Requirements

6 Test methods

7 Inspection rules

8 Logo, packaging, transportation and storage

Appendix A (Informative) Open door wide, high structure size determination method

Appendix B (informative) Common Criteria

## Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces JG/T 3054-1999 "single-door multi-function flat door." This standard compared with the JG/T 3054-1999, in addition to editing the main technical changes outside the sexual modification are as follows.

--- Standard Name. "single-door multi-function flat-panel door" changed to "open the door";

--- Removed the multi-function door, single door multi-function flat door multi-function definition, re-door, open the door to a definition;

--- Increased by use, open the direction, structure, material classification methods;

--- Specifications code means that the structure of the door instead of the size of the hole logo, an increase of hole width 1200 (mm), 1500 (mm), 1800 (mm) series, an increase of hole height 2200 (mm), 2300 (mm) series, an increase of information attached Record A to determine the size of open door structure, installation of cracks and hole size provides a reference to the structure;

--- Product performance indicators instead of the combination of functional classification;

--- Increased formaldehyde emissions of wood materials, steel materials, preservatives, wood moisture content requirements;

--- Increasing the anti-hard hit the door leaf performance, the contents of the door stable

performance, an increase of barrier-free construction of the door user requirements;

--- Increasing the requirements of wood finishes, laminating finishes, refined the requirements of the paint finishes;

--- Change the door surface coating adhesion test method, eliminating the impact of the door surface coating requirements;

--- Part of the processing accuracy indicators have been adjusted;

--- According to the latest relevant standards, open the door of the airtight, thermal insulation, air sound insulation and other properties were graded;

--- Increased sound insulation performance requirements;

--- Increasing the performance requirements of repeated opening and closing;

--- Increased door anti-static distortion performance requirements.

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Housing and Urban-Rural Construction Products and Components Standardization Technical Committee.

This standard was drafted. China Construction Metal Structure Association, China Academy of Building Research, Chongqing Maxim Mindsey Door Co., Ltd. North Beijing Dongbang Door Co., Ltd., Beijing on the Industry and Trade Co., Ltd., Fuxin Group Co., Ltd., Guangdong Kennedy Long Hardware Products Co., Ltd., the group Group Co., Ltd., Zhejiang Secretary Benin Industry and Trade Co., Ltd., Panpan Anju Door Co., Ltd., Harbin Feiyun Industrial Co., Ltd., New Group Co., Ltd., Zhejiang Spring Door Co., Ltd., Zhejiang Xingyue Door Co., Ltd., Zhejiang Golden Gate Co., Ltd., Sichuan Xing Events Doors and windows limited liability company, Zhejiang Kincaid Industry and Trade Co., Ltd., Zhejiang vigorously Trade and Industry Co., Ltd., Beijing Mente Door Co., Ltd., Wang Luan Anti-Products Co., Ltd., Wanjia Group Co., Ltd., Zhejiang Gold and the United States and Industry and Trade Co., Ltd., Step Yang Group Co., Ltd., China Building Materials Inspection and Certification Group Co., Ltd., China Building Decoration Materials Association.

## 1 Scope

This standard specifies the terms and definitions of open door, product classification, requirements, test methods, inspection rules, signs, packaging, transportation and Storage.

This standard applies to residential buildings to open the door and other functions similar to the civil door.

## 2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 5823 building doors and windows terminology GB/T 5824 building doors and windows hole size series GB/T 7106 exterior doors and windows airtight, watertight, wind pressure performance grading and testing methods GB/T 8484 building exterior doors and windows insulation performance classification and testing methods GB/T 8485 Building doors and windows air sound insulation performance classification and detection methods Tests for crosshatch of paints and varnishes - GB/T 9286-1998 GB 12955 fire doors GB/T 14155 whole door soft heavy body impact test GB 17565 security door general technical conditions GB 18580 interior decoration materials and panels of formaldehyde emission limit GB/T 22632 Door anti-hard impact test method GB/T 22635 door fan humidity stability testing methods GB/T 22636 door size, squareness and flatness detection methods GB/T 24494 door on both sides in different climatic conditions of deformation detection methods GB/T 29049 Sliding door vertical load test GB/T 29530 swing doors and revolving doors - Determination of static distortion resistance GB/T 29555 door opening and closing force test methods GB/T 29739 doors and windows repeated opening and closing durability test methods GB 50763 Barrier-free design specifications

## 3 Terms and definitions

GB/T 5823 defined and the following terms and definitions apply to this document.

Apartment door the living space of a living building leads to a public space or an outdoor door.

Flat open the door side-hungapartmentdoor the rotation axis is located on the side of the door, and the door leaf rotates to the open door outside the door frame.