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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 28008-2024

Replacing GB 22792.2-2008, partially replacing GB 26172.1-2010, GB 24820-2009, GB 24977-2010, GB 28008-2011, etc.

Technical specification for the safety of furniture structure

家具结构安全技术规范

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Preview: page 1 of 5 shown, 18 in the full document. Complete English PDF, instant download:
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Table of Contents

Foreword 3
1 Scope 6
2 Normative references 6
3 Terms and definitions 6
4 Technical requirements 7
Annex A (normative) Determination process of shear and squeeze points 18

Preview: page 2 of 5 shown, 18 in the full document. Complete English PDF, instant download:
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Foreword

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

This document replaces GB 22792.2-2008 "Office furniture -- Screens -- Part 2: Safety requirements", and partially replaces the relevant provisions of GB 26172.1-2010 "Foldaway beds -- Safety requirements and tests -- Part 1: Safety requirements", GB 24820-2009 "General technical requirements for laboratory furniture", GB 24977-2010 "General technical requirements for bathroom furniture", GB 24430.1-2009 "Test method for bunk bed structure safety", GB 28008-2011 "Technical specification for the safety of furniture structure", and GB 28478-2012 "Outdoor furniture - General technical requirements for tables and chairs".

Compared with GB 22792.2-2008, in addition to structural adjustments and editorial changes, the main technical changes of this document are as follows:

a) The explicit requirement for acceptable loads was deleted (see 3.2 of GB 22792.2-2008);

b) The test procedure was deleted (see 4.1 of GB 22792.2-2008);

c) The screen process requirements have been changed (see 4.1.1.1, 4.1.1.3, 4.1.2, 4.1.3 of this Edition; 3.1 of GB 22792.2-2008).

Compared with the requirements of 4.2, 4.3, 4.4, 4.6, 4.7 and 4.8 in GB 26172.1-2010, in addition to structural adjustments and editorial changes, the main technical changes of this document are as follows:

a) The structural requirements have been changed (see 4.1.1.3, 4.1.3 of this Edition; 4.2 of GB 26172.1-2010);

b) The shear and squeeze point requirements have been changed (see 4.1.2 of this Edition; 4.3.1 of GB 26172.1-2010).

Compared with 6.6 in GB 24820-2009, in addition to structural adjustments and editorial changes, the main technical changes in this document are as follows:

a) The distance requirements between moving parts have been changed (see 4.1.2 of this Edition; 6.6 of GB 24820-2009);

b) The following was deleted: folding products shall be flexible to fold and shall not have self-folding phenomenon (see 6.6 of GB 24820-2009).

Preview: page 3 of 5 shown, 18 in the full document. Complete English PDF, instant download:
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Compared with the requirements of Table 5 No. 12, 5.7.3, and 5.8.7 in GB 24977-2010, in addition to structural adjustments and editorial changes, the main technical changes of this document are as follows:

a) The safety requirements for electrical appliances such as lamps, sockets, switches, etc. have been changed. The requirements have been clarified (see 4.2.4.2 of this Edition; 5.8.7 of GB 24977-2010).

Compared with the requirements of 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8 and 4.9 in GB 24430.1-2009, in addition to structural adjustments and editorial changes, the main technical changes of this document are as follows:

a) The structural requirements have been changed (see 4.1.1.3, 4.1.3 of this Edition; 4.2 of GB 24430.1-2009);

b) The requirements for upper deck safety barriers have been changed. The conditions that allow safety barriers to be connected to buildings have been added. The length requirements for gaps in safety barriers that are interrupted by ladders or other means of entry and exit have been modified (see 4.2.5.1 of this Edition; 4.3 of GB 24430.1-2009);

c) The stability requirements have been changed (see 4.2.5.3 of this Edition; 4.8 of GB 24430.1-2009);

d) The clearance distance between the upper and lower decks was deleted (see 4.5.4 of GB 24430.1-2009);

e) The distance requirements for the first step board from the ground and the requirements for stairs have been added (see 4.2.5.5 of this Edition);

f) The distance between the top step and the entry and exit gap has been added (see 4.2.5.5).

Compared with the requirements of 5.1, 5.2.1, 5.2.3, 5.2.4, 5.2.5, 5.2.6.2, 5.3.1 and 5.4 in GB 28008-2011, in addition to structural adjustments and editorial changes, the main technical changes of this document are as follows:

a) The "Edge requirements for laminated glass and filmed glass, physical and chemical performance safety requirements, and safety requirements for wooden and metal parts" in glass furniture was deleted (see 4.2.6 of this Edition; 5.2.2, 5.5, and 5.7 of GB 28008-2011);

b) The test method for structural strength safety requirements of glass furniture has been changed (see 4.2.6.3 of this Edition; 6.4 of GB 28008-2011).

Compared with the requirements in 6.1 of GB 28478-2012, in addition to structural adjustments and editorial changes, the main technical changes of this document are as follows:

Preview: page 4 of 5 shown, 18 in the full document. Complete English PDF, instant download:
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a) The requirements for edges and corners have been changed (see 4.1.1.1, 4.1.1.3 of this Edition; 6.1.1 of GB 28478-2012);

b) The requirements for accessible pipes, holes and gaps during use have been changed (see 4.1.3.1, 4.1.3.2 of this Edition; 6.1.2 of GB 28478-2012);

c) The requirements for shear and squeeze points have been changed (see 4.1.2 of this Edition; 6.1.3 of GB 28478-2012).

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

This document was proposed by and shall be under the jurisdiction of Ministry of Industry and Information Technology of the People's Republic of China.

Versions of standard substituted by this document are:

- It was first published in 2008 as GB 22792.2-2008. This is the first integrated revision;

- It was first published in 2010 as GB 26172.1-2010. This is the first integrated revision;

- It was first published in 2009 as GB 24430.1-2009. This is the first integrated revision;

- It was first published in 2009 as GB 24820-2009. This is the first integrated revision;

- It was first published in 2010 as GB 24977-2010. This is the first integrated revision;

- It was first published in 2011 as GB 28008-2011. This is the first integrated revision;

- It was first published in 2012 as GB 28478-2012. This is the first integrated revision.

Preview: page 5 of 5 shown, 18 in the full document. Complete English PDF, instant download:
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