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

GB 28007-2024

Replacing GB 22793.1-2008

**Technical specifications for the safety of infants' and children's
furniture**

婴幼儿及儿童家具安全技术规范

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1 Scope

GB 28007-2024 is the Chinese national standard on technical specifications for the safety of infants' and children's furniture, in the field of domestic and commercial equipment, entertainment, sport. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 25 June 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2026. Classification: ICS 97.140, CCS Y 80. 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.

This document specifies the general safety requirements and specific product safety requirements for furniture intended for infants and children aged 0~14 years. This document applies to the design, manufacture, sales service and quality safety inspection and assessment of infants' furniture and children's furniture.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB 4706.1, Household and similar electrical appliances -- Safety -- Part

3 Flammability

GB 17927.1-2011, Upholstered furniture -- Assessment of the resistance to ignition of mattress and sofa -- Part

3.1 Products

3.1.1 infants' furniture Furniture for infants and young children under 36 months old. [Source: GB/T 28202-2020, 2.58]

3.1.2 children's furniture Furniture for children aged 3~14 years. NOTE. It mainly includes study furniture (tables, chairs, stools) and children's bedroom furniture (beds, wardrobes, storage tools, etc.). [Source: GB/T 28202-2020, 2.57]

3.1.3 children's high chair infants' high chair A free-standing chair for infants and toddlers between 6~36 months old who are able to sit independently and can eat at a height close to the dining table. NOTE. In ISO 9221-1:2015, the dining chair for infants aged 6~36 months is named children's high chair. [Source: GB/T 28202-2020, 3.121, modified]

3.1.4 tall desk/table product Tables and desks with a total height of more than 1000 mm and equipped with a bookshelf structure or similar structure.

3.1.5 bunk bed Household and non-household bedding products with one or more layers of bed base (3.4.1) with the upper surface not less than 600 mm above the ground, a width not more than 1200 mm and a length not less than 1400 mm. NOTE. It does not include special bedding products for prisons, firefighting, military, etc. [Source: GB/T 28202-2020, 3.41, modified]

3.2 General structures

3.2.1 folding mechanism A mechanism connected by hinges or swivels that may produce squeezing or shearing effects during operation.

3.2.2 access zone Under normal use, the parts that infants and young children can touch with their limbs when the product is in its functional position; and the parts that children can touch with their limbs by changing their own position or the position of the product.

4 General safety requirements

4.1 Materials Wooden parts shall not be rotten or worm-eaten, and metal materials shall not be rusted.

4.2 Structures

4.2.1 Connection of removable, loosening components Self-tapping screws, such as self-tapping screws, shall not be used for connections of removable or loosening parts in infant furniture (including cribs, cots and folding beds). NOTE. Self-tapping screws include wood screws, particleboard screws, etc.

4.2.2 Edges, points and outside corners The edges, tips and outer corners of the product access zone shall comply with the following requirements.

4.2.3 Protrusion The product shall not have any hazardous protrusions without protective caps or covers. For the protective caps or covers of hazardous protrusions, a pulling force of $70 \text{ N} \pm 2 \text{ N}$ shall be applied evenly within 5 s in the direction that is most likely to be pulled off. If it is maintained for 10 s, it shall not be pulled off.

4.2.4 Holes, gaps and openings

4.2.4.1 For holes and gaps with a depth of more than 10 mm on rigid parts within the product access zone, the diameter or gap shall not be passed by a hemispherical finger probe with a diameter of 7 mm (see Figure 8) with a force of 30 N; or shall be passed by a hemispherical finger probe with a diameter of 12 mm (see Figure 8) without force. If the diameter or gap is not less than 7 mm and less than 12 mm, use a shape assessment probe (see Figure 9) with a force of 5 N. The insertion depth of the shape assessment probe shall be not less than 10 mm and it shall be able to be pulled out under the action of an opposing force of 5 N. The hemispherical finger probe and the shape assessment probe are made of plastic or other hard and smooth materials. The end is connected to a force measurement device.

4.2.4.2 The mesh fabric in the access zone of the product is tested with the mesh finger probe shown in Figure