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

GB 26172.1-2010

**Foldaway beds -- Safety requirements and tests -- Part 1: Safety
requirements**

(English Translation)

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Foreword

All technical contents of this section is mandatory.

"Folding bed by turning the safety requirements and test methods" is divided into two parts.

--- GB/T 26172.2-2010 fold turned against the bed safety requirements and test methods - Part 2. Test Method.

This part is "fold turned against the bed safety requirements and test methods" Part 1.

This partial modification using ISO 10131-1:1997 "Folding bed by turning the safety requirements and testing Part 1. Security requirements" (English

Version). This part of ISO 10131-1:1997 Technical changed compared as follows.

--- increased wood materials, metal materials security requirements (see 4.1.1 and 4.1.2).

This section also made the following editorial changes.

--- with symbols instead of decimal decimal symbol ", " .";

--- Page change;

--- instead of "this International Standard" by "this standard";

--- with "this part of the standard" instead of "in the present section of this International Standard";

--- delete informative overview of elements of international standards (including the cover, foreword and introduction);

--- For ease of reference the second portion of the test method, increasing the number of sub-clause.

Appendix A of this section is normative, Annex B is an informative annex.

This section was proposed by China Light Industry Federation.

This part of the furniture by the National Standardization Technical Committee (SAC/TC480) centralized.

This section is drafted. Day Furniture Industry Co., Ltd. Hangzhou Ju, Shanghai Institute of Quality Supervision, Inspection and technology; to participate in the drafting of a single Bit. Zhejiang Forestry College.

1 Scope

This part of this standard specifies chamber folding bed by turning the safety and strength requirements and installation strength requirements.

This part is not required for folding electronic apparatus to turn on the bed.

This does not apply to pavement folding bed, chair convertible into a bed or the like sized seat sofa, camping bed, medical bed.

2 Normative references

Terms of the following documents constitute provisions of this part of this section by reference in this standard. All the reference documents date, with its

After all of the amendments (excluding corrections) or revisions do not apply to this section, however, encourage agreements based on this section each

Whether the parties can study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 26172.2-2010 fold turned against the bed safety requirements and test methods - Part 2. Test method (ISO 10131-2.

1997, MOD)

3 Terms and Definitions

The following terms and definitions apply to this part of the standard.

3.1

Folding bed by turning foldawaybeds

When the bed is used at least along a horizontal axis of the bed.

4.1.1 wood materials

Wood and wood materials should be free of rot and insects.

4.1.2 metal material

There should be no corrosion of a metal material.

4.2 Structure

And the exposed side portions of the projecting member to be rounded, there should be no burr, cutting edge, the port tube should be closed.

4.3-fold fittings

4.3.1 There should be no cut point and squeeze point, if unavoidable, should ensure that the human body does not cut in the unconscious near these points and pinch points

Dangerous.

4.3.2 When the cycle test was carried out according to GB/T 26172.2-2010 5.4, should ensure that the folded parts and the test 100 times

Hoisting force difference of two determinations after 10000 cycles does not exceed 20%.

Mounting the folded portion of the frame 4.4

4.4.1 folding apparatus should be fastened to the frame of the building or other structure, the product should not loosen during use.

Note: Under normal circumstances, the use of nuts and bolts is better than the use of ordinary wood screws effect.

4.5 strength and durability

When tested according to GB/T 26172.2-2010 5.6 and the 5.5.1,5.5.2, and the connecting member product or a building structure

He mounting member structure should not loose any damage and affect the product functionality and safety.

4.6 Unintentional closure

When tested according to GB/T 26172.2-2010 5.5.3, collapsible member should not be self-closing, lift from the ground support means

Distance face should not exceed 5mm.

4.7 Unintentional Open

4.7.1

opens the foldable portion from the top edge to the range of 150mm, it shall be closed automatically (see GB/T 26172.2-2010

FIG 6).

4.7.2

When tested according to GB/T 26172.2-2010 5.5.4, specify the load applied point force should be greater than 250N

(See GB/T 26172.2-2010 FIG. 6).

4.7.3

opening force not less than 20N, by turning or folding bed should be fitted with a positive locking device, so that the products firmly in

The closed position only by means of a manual safety device (such as keys, double action button) to turn. Locking means operating force is not less than

50N, when the rotating member, the biasing force to be applied to the rotation shaft member and the tangential direction as far away from the axis of rotation.

4.7.4

When tested according to GB/T 26172.2-2010 5.4, turn folded against the bed opens to 70 °, opening torque should not exceed

10N · m1). When the following conditions are met can the folded position turned by 70 ° to open the bed, opening torque should not exceed 60N · m1), gravity

Folding bed by turning control of the opening torque should not exceed 120N · m1).

1) This value is calculated when the torque on the bed or open according to the speed and mass of the bed to open the folding turn derived.

turn on.

a) Open the length of 250mm is automatically closed;

b) load during opening is not greater than 100N.

closure.

a) for pivoting the end portion of the bed, close to the self-closing point should not exceed the length of 350mm;

b) pivoting the edge portion of the bed, close to the self-closing point should not exceed the length of 300mm;

c) Turn the torque required to be no greater than 60N · m1) (fold turned against the force of gravity to control the torque required to open the bed should not exceed 120N ·

m1)).