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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard submitted by Japan Assistive Products Association (JASPA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Transfer boards and bathtub shelves

1 Scope

This Japanese Industrial Standard specifies the transfer boards and bathtub shelves among assistive products, which make it easier for a person to get in and out of the bathtub by hanging a part or parts of them on the edge of the bathtub. Those with the lifting function are excluded.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this Standard. The most recent edition of the standard (including amendments) indicated below shall be applied.

JIS K 6253 *Rubber, vulcanized or thermoplastic—Determination of hardness*

3 Terms and definitions

For the purposes of this Standard, the following terms and definitions apply.

3.1 seat

component to support the human body, which is the plane sustaining the force vertically acting on it

3.2 handle

component prepared for holding on to for support when a person is sitting on or standing up from the transfer board, or when a person sitting on the bath board transfers

3.3 stopper

component to fix the transfer board or the bathtub shelf to the edge of the bathtub

3.4 mounting face

face of the edge of the bathtub or the floor of bathroom with which the bottom face or the legs of transfer board or bathtub shelf contacts

3.5 frame

component to sustain the seat

4 Classification

The transfer boards and bathtub shelves shall be classified in accordance with table 1 (see figure 1).

Table 1 Classification

Classification	Explanation
Transfer board	One end is hanging on edge of bathtub and the other is sustained by legs
Bath board	Both ends are hanging on edges of bathtub
Bench-type bathtub shelf	Mount on edge of bathtub by clipping and fixing to edge of bathtub

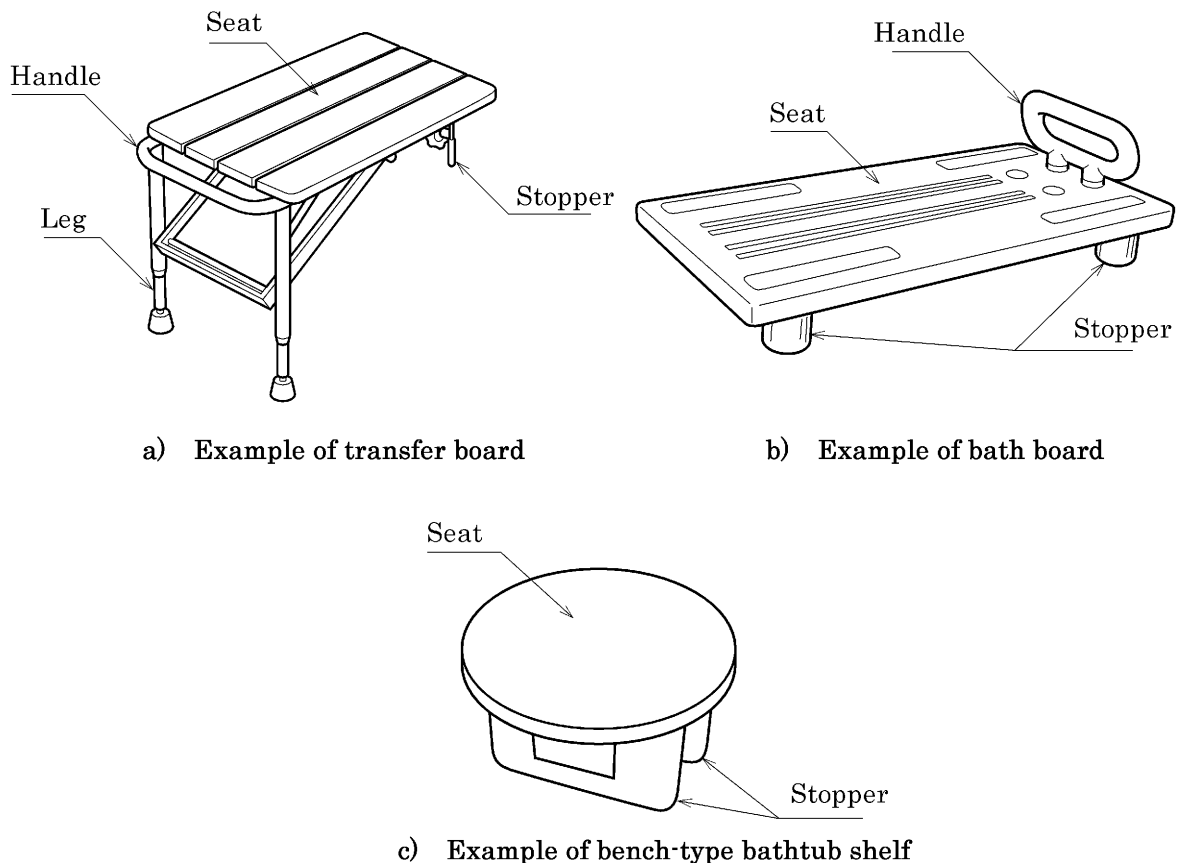


Figure 1 Classification and name of each part

5 Design, appearance and construction

5.1 Design

5.1.1 Design according to risk management

The design according to the risk management shall be conducted on the risk of the finger trap in the gap. The procedure and the result shall be documented and maintained by the manufacturer or the distributor. Also, the design according to the risk management should also be conducted on the related hazards listed in Annex A.

5.1.2 Ergonomics factor

The design shall be conducted by considering aged persons and persons with disabilities (for example, stability).

NOTE: Clause 9 (Detail about human abilities and the consequences of impairment) of

JIS Z 8071, etc. should be referred.

5.2 Appearance

The appearances shall be as follows.

- a) The appearance shall be well-finished, and free from noticeable defects such as flaws detrimental to use, warps and disconnection of jointing part.
- b) There shall be no unsafe protrusions, sharp corners, fine splits detrimental to use, etc. on the part coming into contact with the human body, and the tip of bolt and nut appearing outside shall not be noticeably protruded.
- c) The face side of painted surface shall be uniform in gloss and colour tone, and free from uneven painting, sagging, etc.

5.3 Construction

The construction shall be as follows. When the corresponding components or parts do not exist, the items shall not be applied.

- a) When woods are used, the construction shall be so that the defects such as fissures detrimental to use, warps do not easily appear after assembling.
- b) The jointing part shall be solidly combined by welding, jointing, etc.
- c) When assembled by using screws and other metal fittings, the construction shall be so that the jointing part does not loosen easily.
- d) The operation part, if exists, shall be easily operated and excellent in durability.
- e) The detachable parts and components shall be constructed so as to be fixed surely.
- f) The folding mechanism shall be constructed so as to be operated smoothly and surely, and not be easily closed while in use.
- g) When the leg has the height adjusting mechanism, the construction shall be so that the height is adjusted easily and does not loosen easily.
- h) The nonslip measures (for example, rubber cap, surface treatment) shall be performed on the contact part to the mounting face so as to be less-slipping while in use.
- i) The construction shall be so that the finger and the like are not trapped in the gap of the seat or the frame (see table 2).

To prevent the finger trapped in the transfer board or the bathtub shelf, etc., the gap should be less than 5 mm; however, the dimension of drainage hole shall be determined by considering the operatability, etc. based on the risk management. When the dimension is 5 mm or more, the risk shall be listed in the instruction manual.

NOTE: See BS EN 12182.