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**Assistive products for walking —
Walking frames**

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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 in accordance with the Industrial Standardization Law.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, or utility model right. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, and the utility model right.

Assistive products for walking—Walking frames

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of ISO 11199-1 published in 1999 with some modifications of the technical contents in order to clarify the test method.

The portions with dotted underlines in this Standard are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JB. Annex JA specifies the matters not stated in the corresponding International Standard.

1 Scope

This Standard specifies the assistive products for walking manipulated by both arms, particularly the walking aids that do not have a wheel (hereafter referred to as “walking frames”). However, this Standard excludes the assistive products for standing and the assistive chairs for walking.

In addition, the wheel ¹⁾ that is locked if a weight is applied is not regarded as a wheel.

Note ¹⁾ The wheel that is locked if a weight is applied has the following structure. When the force of 50 N is loaded on a handle, legs other than wheels touch the ground. As a result, the load is supported by legs, not by wheels. Alternatively, wheels are fixed securely [see 1) of b) in figure 4].

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 11199-1:1999 *Walking aids manipulated by both arms—Requirements and test methods—Part 1: Walking frames* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and JIS are IDT (identical), MOD (modified), and NEQ (not equivalent) according to ISO/IEC Guide 21-1.

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 T 0102 *Glossary of terms used in assistive products for persons with disabilities*

NOTE : Corresponding International Standard : ISO 9999 *Assistive products for persons with disability—Classification and terminology* (MOD)

3 Terms and definitions

For the purposes of this Standard, the terms and definitions given in JIS T 0102 and the following terms and definitions apply.

3.1 handgrip

that part of the walking frame which is normally held by the hand when the frame is in use (see item 4 of figure 1)

3.2 front handgrip reference point

that point on the upper surface of the handgrip located 30 mm from the front end of the handgrip length (see item 2 of figure 2)

3.3 rear handgrip reference point

that point on the upper surface of the handgrip located 30 mm from the rear end of the handgrip length (see item 1 of figure 2)

NOTE : If the grip protrudes further than the handle, the measurement is made from the end of the handle.

3.4 anatomic handgrips

handgrips that are manufactured in order to align with the shape of a hand and to enable a user to easily grip

3.5 handgrip length

dimension of the handgrip measured longitudinally where the hand rests (see item 3 of figure 2)

NOTE : Where the front end or the rear end of the handgrip is not clear, the full length of the handgrip that can support the weight of the user is defined as the handgrip length.

3.6 handgrip width

outside dimension of the handgrip measured horizontally at the thickest point where the hand rests (see item 4 of figure 2)

3.7 frame height

vertical distance from the rear handgrip reference point to the ground (see item 2 of figure 3)

3.8 maximum length

maximum outside dimension of a walking frame when the height adjustment is at its maximum, measured parallel to the direction of movement when the frame is in normal use (see item 5 of figure 3)

3.9 maximum width

maximum outside dimension of a walking frame when the height adjustment is at its maximum, measured horizontally at right angles to the direction of movement when the frame is in normal use (see item 3 of figure 3)

3.10 handle

that part of the walking frame to which the handgrip is attached

3.11 folded dimensions

height, width and length of the walking frame measured with the frame folded together without the use of tools, the height adjustment at its minimum height and the handles positioned at the maximum angle to the direction of movement

3.12 plug

a test jig that is inserted into the leg pipe and that applies the load at the tip of the leg

3.13 tip

rubber cap of the walking frame whose leg is in contact with the ground (see item 8 of figure 1)

3.14 turning diameter

diameter of the largest circle described by a walking frame when the height adjustment is at its maximum and the walking frame is turned through 360° about its own central vertical axis (axis passing through the centre of the basal surface of the walking frame and vertical to the basal surface) (see item 4 of figure 3)

3.15 user weight

body mass of the person using the product as a technical aid

key

- 1 Front
- 2 Front legs
- 3 Bracing members
- 4 Handgrip
- 5 Rear
- 6 Rear legs
- 7 Height adjustment mechanism
- 8 Tip

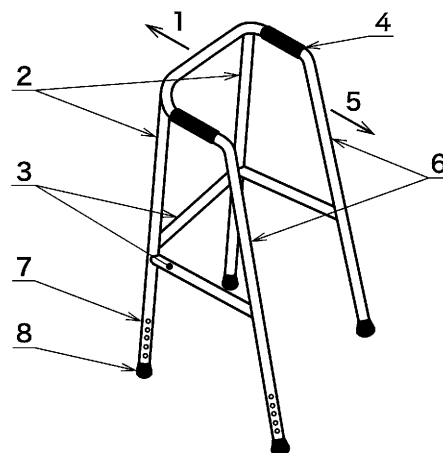


Figure 1 Names of each part