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(Reaffirmed : 2003)

Artificial feet and ankle joints

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

Date of Establishment: 1985-07-01

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In the event of any doubts arising as to the contents,
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1 Scope This Japanese Industrial Standard specifies the artificial feet for adults except for the solid ankle feet. This artificial feet shall include the ankle joint, heel height adjustment device and pipe connection metal fitting etc. (hereafter referred to as “feet”).

JIS B 0205 *Metric coarse screw threads*JIS S 5037 *Sizing system for shoes*JIS T 0101 : 1997 *Glossary of terms used in prosthetics and orthotics*

JIS T 0111-1 : 1997 *Prosthetics—Structural testing of lower-limb prostheses*
— Part 1 : Test configurations

JIS T 0111-2 : 1997 *Prosthetics—Structural testing of lower-limb prostheses*
— Part 2 : Test samples

JIS T 0111-3 : 1997 *Prosthetics—Structural testing of lower-limb prostheses*
— Part 3 : Principal structural tests

JIS T 0111-4 : 1997 *Prosthetics—Structural testing of lower-limb prostheses
— Part 4 : Loading parameters of principal structural
tests*

JIS T 0111-5 : 1997 *Prosthetics—Structural testing of lower-limb prostheses*
— Part 5 : Supplementary structural tests

JIS T 0111-6 : 1997 *Prosthetics—Structural testing of lower-limb prostheses
— Part 6 : Loading parameters of supplementary
structural tests*

JIS T 0111-7 : 1997 *Prosthetics—Structural testing of lower-limb prostheses — Part 7 : Test submission document*

JIS T 0111-8 : 1997 *Prosthetics—Structural testing of lower-limb prostheses—Part 8 : Test report*

JIS Z 2101 *Methods of test for woods*

2 Units and values shown in the parentheses { } in this Standard are based on the traditional units and given for reference.

2 Definition of terms The definitions of main terms used in this Standard are based on JIS T 0101 and the following.

- (1) **assembling foot** foot partially modified pursuant to the standard assembling method
- (2) **non-axis foot** the generic term for the feet compensating the function of plantar flexion with no joint compensating the function of malleolus arthrosis
- (3) **axis foot** the generic term for single axis foot, multi-axis foot and functional foot
- (4) **ankle joint** part to connect the foot to crus, containing the ankle joint axis in the case of axis foot

The name of each part of foot is based on Attached figure 1.

3 Type and symbol Types and symbols shall be as shown in table 1.

Table 1 Type and symbol

Type		symbol
Structure	Connection	
Non-axis foot	Bolt connection	NB
	Wood connection	NW
	Pipe connection	NPY
Single axis foot	Wood connection	SW
	Pipe connection	SPY
	Metal connection	SM
Multi-axis foot	Bolt connection	PB
	Wood connection	PW
	Pipe connection	PPY

4 Performance

4.1 Hardness of heel and tiptoe Deformation volume of heel and tiptoe against the external force shall be measured based on 9.1 before and after the gait cyclic test.

4.2 Performance of foot The gait cyclic test shall be conducted on the feet based on 9.2. Abnormalities such as damage, deformation and malfunction shall not be caused.

In addition, abnormal noise shall not be caused during the test.

4.3 Heel height adjustment device and pipe connection metal fitting The heel height adjustment device and pipe connection metal fitting shall fulfill the requirements in JIS T 0111-1 through JIS T 0111-8.

5 Configurations and dimensions

5.1 Dimensions Dimensions of foot ⁽¹⁾ shall be based on figure 1.

Note ⁽¹⁾ : The foot shall be put on the shoe of the size specified in JIS S 5037 and shall not come off during a gait.