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**JIS T 0111-8** : 1997

(ISO 10328-8 : 1996)

(Reaffirmed : 2003)

**Prosthetics – Structural testing  
of lower-limb prostheses –  
Part 8 : Test report**

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ICS 11. 040. 40

**Descriptors** : artificial limbs, artificial organs, legs, mechanical testing, strength of  
materials, medical equipment, samples

**Reference number** : JIS T 0111-8 : 1997 (E)

## Foreword

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

JIS T 0111 consists of the following 8 parts under the general title

*Prosthetics—Structural testing of lower-limb prostheses*

— *Part 1 : Test configurations*

— *Part 2 : Test samples*

— *Part 3 : Principal structural tests*

— *Part 4 : Loading parameters of principal structural tests*

— *Part 5 : Supplementary structural tests*

— *Part 6 : Loading parameters of supplementary structural tests*

— *Part 7 : Test submission document*

— *Part 8 : Test report*

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In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

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M&T

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# Prosthetics—Structural testing of lower-limb prostheses

## —Part 8 : Test report

**Introduction** This Japanese Industrial Standard has been prepared based on the first edition of ISO 10328-8 *Prosthetics—Structural testing of lower-limb prostheses—Part 8 : Test report* published in 1996 without modifying the technical contents.

### 1 Scope

JIS T 0111 specifies procedures for static and cyclic strength tests for lower-limb prostheses where, with one exception, compound loadings are produced by the application of a single test force. The compound loads in the test sample relate to the peak values of the components of loading which normally occur at different instants during the stance phase of walking.

The tests described in JIS T 0111 apply to trans-tibial (below-knee), knee-disarticulation and trans-femoral (above-knee) prostheses.

Remarks : The tests may be performed on complete structures, on partial structures, or on individual components.

This Part 8\* of JIS T 0111 specifies the information that shall be provided in the test report which is prepared for each test conducted in accordance with Parts 3 through 6.

Note \* Parts 1, 2, 3, 4, 5, 6, 7 and 8 of JIS T 0111 are designated as JIS T 0111-1, JIS T 0111-2, JIS T 0111-3, JIS T 0111-4, JIS T 0111-5, JIS T 0111-6, JIS T 0111-7 and JIS T 0111-8, respectively.

**2 Normative references** The normative references of this part of JIS T 0111 are shown below:

JIS T 0101:1997 *Glossary of terms used in prosthetics and orthotics*

Remarks : ISO 8549-1 : 1989 *Prosthetics and orthotic—Vocabulary—Part 1 : General terms for external limb prostheses and external orthoses* is equivalent to the said standard.

JIS T 0111-2 : 1977 *Prosthetics—Structural testing of lower-limb prostheses—Part 2 : Test samples*

Remarks : ISO 10328-2 : 1996 *Prosthetics—Structural testing of lower-limb prostheses—Part 2 : Test samples* is equivalent to the said standard.

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