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**Prosthetics - Structural testing of lower-limb prostheses -
Requirements and test methods**

假肢 下肢假肢的结构检验 要求和试验方法

(English Translation)

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Table of Contents

Preface	
Introduction	
1 Scope	
2 Normative references	
3 Terms and Definitions	
4 Names and symbols of test forces and moments	
5 Strength and related performance requirements and conditions of use	
6 Coordinate system and test configuration	
6.1 General	
6.2 Coordinate system	
6.3 Reference surface	
6.4 Reference point	
6.5 Test force	
6.6 Load lines	
6.7 Longitudinal axis, joint equivalent center and equivalent center line of the prosthetic foot	
6.8 Reference distance	
7 Test loading conditions and test load levels	
7.1 Test loading conditions	
7.2 Test load level	
8 Values of test loads, magnitudes and number of cycles	
9 Compliance	
9.1 General	
9.2 Test requirements for the declaration of conformity to this document Option	
9.3 Tests to demonstrate that samples of prosthetic structures, including ankle-foot devices and foot components, comply with the requirements of this document	
9.4 Number of test samples and number of tests required by this document	
9.5 Multiple use of test samples	
9.6 Tests at special test load levels not specified in this document	
10 Test sample	
10.1 Selection of test samples	
10.2 Type of test sample	
10.3 Test sample preparation	

- 10.4 Test sample identification code
- 10.5 Alignment of test samples
- 10.6 Alignment position of the test sample under the worst conditions
- 11 Experimental preparation
- 12 Trial Submission Documents
- 12.1 Basic Requirements
- 12.2 Required information on test samples
- 12.3 Information required for the test
- 13 Equipment
- 13.1 General
- 13.2 Equipment for the main structural tests specified in 16.2 and 16.3
- 13.3 Equipment for the static torsion test of the substructure specified in 17.1
- 13.4 Test equipment for the ankle-foot assembly and foot component substructure tests specified in 17.2
- 13.5 For the substructure static ultimate strength test of the knee joint and its connecting parts at the maximum knee flexion angle specified in 17.3
- Test equipment
- 13.6 Equipment for carrying out the knee lock substructure test specified in 17.4
- 14 Accuracy
- 14.1 General
- 14.2 Accuracy of the device
- 14.3 Process Accuracy
- 15 Experimental Principles
- 15.1 General
- 15.2 Static test procedure
- 15.3 Dynamic test procedure
- 16 Test Procedure---Main Structure Test
- 16.1 Test loading requirements
- 16.2 Main structure static test procedure
- 16.3 Main structure dynamic test
- 17 Test Procedure---Structure Test
- 17.1 Static test of structural torsion
- 17.2 Substructure testing of ankle-foot assembly and foot assembly
- 17.3 Static ultimate strength test of the knee joint and its connecting parts under maximum knee flexion
- 17.4 Knee lock structure test

18 Testing laboratory (or inspection department) log	
18.1 Basic requirements	
18.2 Special requirements	
19 Test report	
19.1 Basic requirements	
19.2 Special requirements	
19.3 Options	
20 Grading and labeling	
20.1 Basic Information	
20.2 Classification and labeling examples	
21 Tags	
21.1 Basic Information	
21.2 "	
)" sign and warning symbols	
21.3 Label Design Example	
21.4 Label Position	
Appendix A (Informative) Reference data for test loading conditions and test loading levels for dynamic tests of main structures	
Appendix B (Informative) Description of internal loads and their effects	
Appendix C (Normative) Application Guide for Additional Test Load Levels P6, P7 and P8	
Appendix D (Informative) Guidance on the application of alternative static ultimate strength tests	
Appendix E (informative) Test equipment for dynamic testing of ankle-foot device and foot component substructure (according to 17.2.5.1)	
13.4.1.2) Background information of the generated loading curve	
Appendix F (Informative) Summary of Records to be Written in the Testing Laboratory (or Inspection Department) Logbook	
References	

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 18375.1-2001 "Structural inspection of prostheses for lower limbs Part 1: Test configuration" GB/T 18375.2-2001 "Structural inspection of lower limb prostheses Part 2: Test specimens", GB/T 18375.3-2001 "Prostheses Structural inspection

of prostheses for lower limbs Part 3: Inspection of the main structure" and GB/T 18375.4-2001 "Structural inspection of prostheses for lower limbs" GB/T 18375.5-2004 "Structural inspection of prostheses for lower limbs Part 5: Loading parameters in the inspection of the main structure" Part 6: Auxiliary structure inspection" and GB/T 18375.6-2004 "Structural inspection of prostheses for lower limbs Part 6: Auxiliary structure inspection" Loading parameters", GB/T 18375.7-2004 "Structural inspection of prostheses for lower limbs Part 7: Test submission documents", GB/T 18375.8-2004 "Structural inspection of prostheses for lower limbs Part 8: Inspection report". Compared with the original document, in addition to the structural adjustment in addition to the integration and editorial changes, the main technical changes are as follows.

a) The 8 files of the previous version were merged into one file, the overall file structure was adjusted, and the test process was refined describe;

b) Change the description of test load levels A60, A80, A100 to test load levels P3, P4, P5 (see 7.2.3, Table 4, Table 6, Table 7,

Table 8, Table 9, Table 10, Table 12, Table 13, Table 14, Appendix A, 4.4.2 of GB/T 18375.3-2001, Table 1, GB/T 18375.4-

2001 Table 1, Table 4, Table 5, Table 6, Appendix A, GB/T 18375.6-2004 Table 1, Table 8), and increase the test load level P6, P7 and P8 (see Appendix C);

c) Added test flow chart (see Figure 14, Figure 15, Figure 16, Figure 17, Figure 18, Figure 19, Figure 20, Figure 21, Figure 22, Figure 23, Figure 24,

Figure 25, Figure 26, Figure 27, Figure 28);

d) Added the requirements for the logs of testing laboratories (or inspection departments) (see Chapter 18) and the logs of testing laboratories (or inspection departments).

Record summary (see Appendix F);

e) Added the application guidance of the alternative static ultimate strength test (see Appendix D);

f) The contents of the sample data page of the test report in the previous version (see Appendix A of GB/T 18375.8-2004) have been deleted.

This document is modified to adopt ISO 10328:2016 "Structural inspection requirements and test methods for prosthetic lower limbs".

The technical differences between this document and ISO 10328:2016 and the reasons are as follows.

--- Deleted ISO/T R16142.1999 in Chapter 2 Normative References because ISO/T R16142.1999 has been abolished.

The following editorial changes were also made to this document.