



Freedom Restore L-Code Technical Testing Report

Introduction

The Freedom Restore (VS5) was tested according to the American Orthotic and Prosthetic Association (AOPA) test specifications published in September 2010 of *AOPA Prosthetic Foot Project Report*. The VS5 exceeds the required thresholds necessary to recommend the Healthcare Common Procedure Coding System (HCPCS) codes L5972 and L5986. All tests were conducted using a standard 27 cm left foot for an A80 (176lb) patient. Abbreviated test descriptions and results are described below.

L5972 (All lower extremity prosthesis, flexible keel foot)

In order to use code L5972 the prosthetic foot must meet the Flexible Keel thresholds of Keel Test described in AOPA Prosthetic Foot Project Report.

The Keel Test involves loading the toe of the prosthetic foot at an angle of 20° with a force of 1230 N and determining the displacement while under that load. Based on the test results the Keel can be classified as Flexible based on the classification criteria below.

Keel Type	Displacement @ 1230 N	% Return
Rigid	<25 mm	NA
Flexible	≥25 mm	<75%
Dynamic	≥25 mm	≥75%

The measured displacement for the Restore was greater than 25 mm which meets the criteria for the Flexible Keel threshold of the Keel Test.

L5986 – (All lower extremity prostheses, multi-axial rotation)

In order to use code L5986 the prosthetic foot must meet the Multiaxial Test described in the AOPA Prosthetic Foot Project Report.

This test includes 3 separate tests all of which must be passed in order to recommend L5986. They include: Sagittal Dorsiflexion Test, Sagittal Plantarflexion Test, and Coronal Inversion Test. The Sagittal Dorsiflexion Test requires the heel of the foot to contact the 10° test fixture when a force of 1230 N is applied to the foot. The Sagittal Plantarflexion Test requires the toe of the foot to contact the 8° test fixture when a force of 1230 N is applied to the foot. The Coronal Inversion Test requires a minimum of 8° of inversion when a force of 1230 N is applied as specified in report previously mentioned.

For the VS5 the heel contacted the test fixture during the Sagittal Dorsiflexion Test, the toe contacted the test fixture during the Sagittal Plantarflexion Test, and the actual inversion measured exceeded 8°. All three thresholds were met or exceeded making this foot eligible for L5986.