



Senator L-Code Technical Testing Report

Introduction

The Senator (VS1) was tested according to the American Orthotic and Prosthetic Association (AOPA) test specifications published in September 2010 of *AOPA Prosthetic Foot Project Report*. The Senator exceeds all required thresholds necessary to recommend the Healthcare Common Procedure Coding System (HCPCS) code L5976. All tests were conducted using a standard 27 cm left foot for an A80 patient. Abbreviated test descriptions and results are described below.

L5976 (All lower extremity prostheses, energy storing foot (Seattle™, Carbon Copy ii™ or equal))

In order to use code L5976, the prosthetic foot must meet the Dynamic Keel threshold of Keel Test, as 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 and percent of energy returned by calculating area between loading and unloading curves. Based on the test results the Keel can be classified as Rigid, Flexible, or Dynamic based on the classification criteria below.

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

For the Senator, the actual displacement exceeded 25 mm and the percent of energy returned exceeded 75% which meets the criteria for the Dynamic Keel threshold of the Keel Test.