

TABLE E-1 Calibration tests were conducted at a loading rate of 100 N/s. Polynomial fits to data from ten loading-unloading ramp cycles provided specimen-specific calibration constants.

Specimen	Cal. Order	Cal. RMS (N)	PA failure load (N)	PA failure load (BW)
1	4	90.53	1337.4	2.15
2	2	91.33	1743.2	2.80
3	3	105.11	1492.8	2.49
4	2	94.61	997.0†	1.46†
5	3	17.63‡	915.9	2.17
6	3	32.46‡	881.9†	1.98†
7	2	106.69	1234.8†	2.31†
		76.9±36.2	1229.0±320.9	2.19±0.42

†Failure of the forefoot or calcaneus fixation was observed rather than rupture of the plantar aponeurosis.

‡Calibration constants were calculated by using only one loading cycle as a result of early fixture or plantar aponeurosis failure, thereby yielding lower RMS values.