

**Table 1)** Comparison to measured pressures (in KPa) in different states in the silicon edge socket and conventional socket

No. of Sensor	Conventional Socket	Socket with Silicon Edge	Changes in Pressure Compared to Conventional Socket
<b>Standing Position on two Feet</b>			
No. 1	3.66	2.95	19.4% Reduction
No. 2	3.94	3.37	14.0% Reduction
No. 3	1.56	0.94	39.7% Reduction
No. 4	0	0	Without Change
No. 5	3.55	1.77	50.1% Reduction
No. 6	4.23	3.34	21.0% Reduction
No. 7	4.28	3.34	21.9% Reduction
No. 8	4.73	5.91	24.9% Increase
<b>Standing Position on Prosthesis Leg</b>			
No. 1	6.21	6.21	Without Change
No. 2	7.33	9.46	29.1% Increase
No. 3	4.49	3.60	19.8% Reduction
No. 4	0	0	Without Change
No. 5	4.43	2.83	36.1% Reduction
No. 6	7.69	6.52	15.2% Reduction
No. 7	5.73	5.20	9.2% Reduction
No. 8	4.86	7.33	50.8% Increasing
<b>Walking Mode During Loading Response</b>			
No. 1	6.80	4.67	31.3% Reduction
No. 2	7.39	6.59	10.8% Reduction
No. 3	4.05	2.95	27.1% Reduction
No. 4	0	0.23	23.0% Increase
No. 5	4.73	2.30	50.1% Reduction
No. 6	6.21	5.73	7.7% Reduction
No. 7	6.06	6.21	2.4% Increase
No. 8	10.65	10.59	0.5% Reduction
<b>Pulling While Walking</b>			
No. 1	7.24	4.91	32.1% Reduction
No. 2	7.95	6.77	14.8% Reduction
No. 3	4.52	3.07	32.1% Reduction
No. 4	0.73	0.59	19.2% Reduction
No. 5	4.43	2.36	46.7% Reduction
No. 6	6.27	5.02	19.9% Reduction
No. 7	1.89	1.89	Without Change
No. 8	10.85	10.85	Without Change