**Appendix Table 2.** Cohen's d effect size for kinematics: mobile- and fixed bearing with respect to native conditions.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Flexion (°) | Internal tibial rotation | Valgus | MFCC IS | LFCC IS | MFCC AP | LFCC AP |
| FB | MB | FB | MB | FB | MB | FB | MB | FB | MB | FB | MB |
| 40 | 1.87 | 0.56 | -0.70 | -0.69 | -1.40 | -0.68 | -0.39 | -0.12 | 0.45 | 0.19 | -1.79 | -0.27 |
| 41 | 1.86 | 0.54 | -0.70 | -0.68 | -1.38 | -0.66 | -0.38 | -0.11 | 0.46 | 0.20 | -1.72 | -0.22 |
| 42 | 1.85 | 0.53 | -0.70 | -0.68 | -1.37 | -0.64 | -0.37 | -0.10 | 0.48 | 0.20 | -1.67 | -0.18 |
| 43 | 1.84 | 0.51 | -0.70 | -0.67 | -1.35 | -0.62 | -0.36 | -0.09 | 0.49 | 0.21 | -1.61 | -0.13 |
| 44 | 1.83 | 0.49 | -0.70 | -0.66 | -1.33 | -0.60 | -0.35 | -0.08 | 0.50 | 0.22 | -1.55 | -0.09 |
| 45 | 1.82 | 0.47 | -0.71 | -0.66 | -1.31 | -0.58 | -0.34 | -0.07 | 0.52 | 0.22 | -1.50 | -0.06 |
| 46 | 1.80 | 0.45 | -0.71 | -0.65 | -1.30 | -0.56 | -0.33 | -0.06 | 0.53 | 0.23 | -1.45 | -0.02 |
| 47 | 1.79 | 0.43 | -0.71 | -0.64 | -1.28 | -0.54 | -0.32 | -0.05 | 0.55 | 0.24 | -1.40 | 0.01 |
| 48 | 1.78 | 0.41 | -0.71 | -0.64 | -1.26 | -0.52 | -0.32 | -0.04 | 0.56 | 0.24 | -1.35 | 0.04 |
| 49 | 1.76 | 0.39 | -0.71 | -0.63 | -1.25 | -0.50 | -0.31 | -0.03 | 0.57 | 0.24 | -1.31 | 0.07 |
| 50 | 1.75 | 0.37 | -0.70 | -0.62 | -1.25 | -0.49 | -0.31 | -0.02 | 0.58 | 0.25 | -1.26 | 0.09 |
| 51 | 1.73 | 0.35 | -0.70 | -0.62 | -1.24 | -0.47 | -0.30 | -0.01 | 0.59 | 0.25 | -1.22 | 0.11 |
| 52 | 1.71 | 0.33 | -0.70 | -0.61 | -1.24 | -0.46 | -0.30 | 0.00 | 0.60 | 0.25 | -1.18 | 0.13 |
| 53 | 1.69 | 0.31 | -0.70 | -0.60 | -1.24 | -0.45 | -0.30 | 0.00 | 0.61 | 0.25 | -1.14 | 0.14 |
| 54 | 1.66 | 0.29 | -0.70 | -0.60 | -1.23 | -0.43 | -0.30 | 0.01 | 0.62 | 0.25 | -1.10 | 0.16 |
| 55 | 1.64 | 0.27 | -0.70 | -0.59 | -1.23 | -0.42 | -0.30 | 0.02 | 0.63 | 0.25 | -1.06 | 0.17 |
| 56 | 1.61 | 0.26 | -0.70 | -0.58 | -1.22 | -0.41 | -0.30 | 0.03 | 0.64 | 0.26 | -1.02 | 0.19 |
| 57 | 1.59 | 0.24 | -0.69 | -0.57 | -1.21 | -0.39 | -0.30 | 0.03 | 0.65 | 0.26 | -0.98 | 0.20 |
| 58 | 1.56 | 0.22 | -0.69 | -0.57 | -1.20 | -0.38 | -0.29 | 0.04 | 0.66 | 0.26 | -0.95 | 0.21 |
| 59 | 1.54 | 0.21 | -0.69 | -0.56 | -1.19 | -0.37 | -0.29 | 0.05 | 0.67 | 0.26 | -0.92 | 0.22 |
| 60 | 1.51 | 0.19 | -0.69 | -0.56 | -1.17 | -0.36 | -0.29 | 0.06 | 0.68 | 0.26 | -0.89 | 0.24 |
| 61 | 1.49 | 0.18 | -0.69 | -0.55 | -1.16 | -0.35 | -0.28 | 0.06 | 0.69 | 0.26 | -0.86 | 0.25 |
| 62 | 1.47 | 0.17 | -0.69 | -0.54 | -1.15 | -0.34 | -0.28 | 0.07 | 0.70 | 0.26 | -0.83 | 0.26 |
| 63 | 1.45 | 0.15 | -0.69 | -0.54 | -1.14 | -0.34 | -0.28 | 0.07 | 0.70 | 0.26 | -0.81 | 0.27 |
| 64 | 1.43 | 0.14 | -0.69 | -0.54 | -1.13 | -0.33 | -0.28 | 0.07 | 0.71 | 0.26 | -0.78 | 0.27 |
| 65 | 1.41 | 0.13 | -0.69 | -0.54 | -1.13 | -0.33 | -0.28 | 0.07 | 0.71 | 0.26 | -0.76 | 0.28 |
| 66 | 1.39 | 0.11 | -0.70 | -0.53 | -1.13 | -0.33 | -0.29 | 0.07 | 0.72 | 0.26 | -0.74 | 0.29 |
| 67 | 1.37 | 0.10 | -0.70 | -0.53 | -1.13 | -0.32 | -0.29 | 0.07 | 0.72 | 0.26 | -0.71 | 0.29 |
| 68 | 1.36 | 0.09 | -0.70 | -0.53 | -1.13 | -0.32 | -0.29 | 0.08 | 0.73 | 0.25 | -0.69 | 0.29 |
| 69 | 1.34 | 0.08 | -0.70 | -0.52 | -1.13 | -0.31 | -0.29 | 0.08 | 0.74 | 0.25 | -0.67 | 0.29 |
| 70 | 1.33 | 0.07 | -0.70 | -0.52 | -1.13 | -0.30 | -0.29 | 0.09 | 0.74 | 0.24 | -0.65 | 0.29 |
| 71 | 1.31 | 0.06 | -0.70 | -0.51 | -1.12 | -0.30 | -0.29 | 0.09 | 0.75 | 0.24 | -0.62 | 0.29 |
| 72 | 1.30 | 0.05 | -0.70 | -0.51 | -1.12 | -0.29 | -0.29 | 0.10 | 0.76 | 0.23 | -0.60 | 0.30 |
| 73 | 1.29 | 0.04 | -0.71 | -0.51 | -1.11 | -0.28 | -0.29 | 0.11 | 0.77 | 0.23 | -0.58 | 0.30 |
| 74 | 1.27 | 0.03 | -0.71 | -0.50 | -1.10 | -0.27 | -0.28 | 0.12 | 0.77 | 0.23 | -0.56 | 0.30 |
| 75 | 1.26 | 0.02 | -0.71 | -0.50 | -1.09 | -0.26 | -0.28 | 0.13 | 0.78 | 0.22 | -0.54 | 0.31 |
| 76 | 1.24 | 0.00 | -0.71 | -0.50 | -1.08 | -0.25 | -0.27 | 0.14 | 0.79 | 0.22 | -0.52 | 0.31 |
| 77 | 1.22 | -0.01 | -0.71 | -0.49 | -1.08 | -0.24 | -0.27 | 0.15 | 0.79 | 0.21 | -0.50 | 0.31 |
| 78 | 1.20 | -0.02 | -0.71 | -0.49 | -1.07 | -0.23 | -0.26 | 0.16 | 0.79 | 0.21 | -0.49 | 0.32 |
| 79 | 1.18 | -0.03 | -0.71 | -0.49 | -1.06 | -0.23 | -0.26 | 0.17 | 0.80 | 0.20 | -0.47 | 0.32 |
| 80 | 1.16 | -0.05 | -0.71 | -0.49 | -1.05 | -0.22 | -0.26 | 0.17 | 0.80 | 0.20 | -0.45 | 0.32 |
| 81 | 1.14 | -0.06 | -0.71 | -0.49 | -1.04 | -0.22 | -0.26 | 0.18 | 0.80 | 0.19 | -0.43 | 0.33 |
| 82 | 1.12 | -0.07 | -0.71 | -0.49 | -1.03 | -0.22 | -0.26 | 0.18 | 0.80 | 0.18 | -0.41 | 0.33 |
| 83 | 1.10 | -0.09 | -0.71 | -0.48 | -1.02 | -0.21 | -0.27 | 0.19 | 0.79 | 0.17 | -0.40 | 0.33 |
| 84 | 1.08 | -0.10 | -0.70 | -0.48 | -1.02 | -0.21 | -0.27 | 0.20 | 0.79 | 0.16 | -0.38 | 0.33 |
| 85 | 1.06 | -0.12 | -0.70 | -0.48 | -1.02 | -0.20 | -0.27 | 0.20 | 0.79 | 0.15 | -0.37 | 0.33 |
| 86 | 1.03 | -0.13 | -0.70 | -0.48 | -1.01 | -0.20 | -0.28 | 0.21 | 0.78 | 0.14 | -0.36 | 0.33 |
| 87 | 1.01 | -0.15 | -0.70 | -0.48 | -1.01 | -0.20 | -0.28 | 0.22 | 0.77 | 0.13 | -0.34 | 0.33 |
| 88 | 0.99 | -0.16 | -0.70 | -0.48 | -1.01 | -0.19 | -0.29 | 0.22 | 0.77 | 0.12 | -0.33 | 0.33 |
| 89 | 0.97 | -0.17 | -0.69 | -0.48 | -1.02 | -0.19 | -0.29 | 0.23 | 0.76 | 0.11 | -0.32 | 0.33 |
| 90 | 0.95 | -0.18 | -0.69 | -0.48 | -1.01 | -0.19 | -0.29 | 0.24 | 0.76 | 0.09 | -0.31 | 0.33 |
| 91 | 0.93 | -0.20 | -0.69 | -0.48 | -1.01 | -0.18 | -0.29 | 0.25 | 0.75 | 0.08 | -0.31 | 0.33 |
| 92 | 0.91 | -0.21 | -0.69 | -0.48 | -1.00 | -0.18 | -0.28 | 0.25 | 0.74 | 0.07 | -0.30 | 0.33 |
| 93 | 0.90 | -0.22 | -0.70 | -0.48 | -1.00 | -0.18 | -0.28 | 0.26 | 0.74 | 0.07 | -0.29 | 0.32 |
| 94 | 0.88 | -0.23 | -0.70 | -0.48 | -0.99 | -0.18 | -0.27 | 0.26 | 0.73 | 0.06 | -0.28 | 0.32 |
| 95 | 0.86 | -0.24 | -0.70 | -0.48 | -0.99 | -0.18 | -0.27 | 0.26 | 0.72 | 0.05 | -0.27 | 0.32 |
| 96 | 0.84 | -0.24 | -0.70 | -0.48 | -0.98 | -0.18 | -0.27 | 0.27 | 0.71 | 0.04 | -0.27 | 0.32 |
| 97 | 0.83 | -0.25 | -0.70 | -0.48 | -0.98 | -0.18 | -0.26 | 0.27 | 0.71 | 0.03 | -0.26 | 0.32 |
| 98 | 0.81 | -0.26 | -0.70 | -0.48 | -0.97 | -0.18 | -0.26 | 0.28 | 0.70 | 0.03 | -0.25 | 0.32 |
| 99 | 0.79 | -0.27 | -0.70 | -0.48 | -0.96 | -0.18 | -0.25 | 0.28 | 0.69 | 0.02 | -0.25 | 0.32 |

MFCC = medial femoral condyle center; LFCC = lateral femoral condyle center; IS = inferior-superior; FB = fixed-bearing; MB = mobile-bearing.