

Δ in length	Hand Position	Hand Position	Δ in length
1mm	12.6°	0°	+0.3mm
2mm	22.3°	10°	0.7mm
3mm	32.7°	15°	1.3mm
4mm	44.1°	30°	2.8mm
5mm	58.2°	45°	4.1mm
		⊥ to the 2 nd metatarsal	-0.9mm
		Directed at the 3 rd met head	-0.1mm

Table 3 Transverse Plane Motion Based on a 1/3 Lateral Translation

The average change in transverse plane axis guide orientation is 13.2° for every 1mm change of absolute first metatarsal length based on these specific calculations of a 1/3 capital fragment lateral translation (or 0.8mm for each 10° change).