

Δ in length	Hand Position	Hand Position	Δ in length
1mm	15.1°	0°	+0.2mm
2mm	28.4°	10°	0.6mm
3mm	43.5°	15°	1.0mm
4mm	63.8°	30°	2.1mm
5mm	Undefined	45°	3.1mm
		⊥ to the 2 nd metatarsal	-0.8mm
		Directed at the 3 rd met head	-0.1mm

Table 1 Transverse Plane Motion Based on a 1/4 Lateral Translation

The average change in transverse plane axis guide orientation is 15.5° for every 1mm change of absolute first metatarsal length based on these specific calculations of a 1/4 capital fragment lateral translation (or 0.6mm for each 10° change).