

VTA- further thoughts on 180 gr records:

Thickness of the record has an effect on VTA but:

1. Records varies for about 1mm in thickness. With 4Point VTA angle change is 0.2 deg for 1mm.
2. Due change in tracking force cantilever position moves upwards for about 0.5 mm from zero to 2 gr tracking force (MC cartridge with low compliance)
If you change tracking force from 2 gr to 1.9 g change is about 0.3 deg.

Tracking force has bigger impact then changing height position.

If you set up average VTA height for most of the records. But for best performance you would need to listen to each record and set up best VTA.

One rotation on 4Point is 8 markings- that is 0.8 mm. So one rotation change is less then difference between thin and thick record. But with big change in tonearm height there is also change of tracking force which changes VTA as well.