



#TechTipTuesday

KPI - King Pin Inclination

KPI is the inward lean or angle of the kingpin bolt when viewed from either the front or back of the kart. If the top leans inward, it's positive; out and it's negative.

Phantom karts do NOT have adjustable KPI as it is predetermined by the caster block and spindle set up. Keep in mind that all "reverse yoke" spindles use small KPI adjustments to change camber, but the change in KPI is insignificant.

Chassis design plays a major role in what degree KPI is needed for the kart to do what it is supposed to do. As a general rule of thumb, more KPI generates more weight transfer/"bite." Less KPI will create less. This is why you commonly see lower KPI on higher bite surfaces such as asphalt, and more specifically in the LF (to keep the kart from over-loading the RR). Again, the way the chassis is designed dictates what KPI should be used for the kart to transfer weight as it should.

With all of that being said, we always recommend to use the KPI set up that the kart was built with and leave it alone.

Nemesis, Phenom, ICON, and Seraph chassis all use 10-degree KPIs on both the LF and RF.

Triton, Triton Jr., Recon, MINEcon, Deuce, and Scythe chassis all have 7.5-degree LF, and 15-degree RF KPIs.