



#TECHTIPTuesday

Nose Weight

Nose weight (or front) is a simple set up number calculated from the total weight of the two front tires (LF and RF) divided by the total weight of the kart. Most karts are designed to have somewhere between 44% to 47% nose weight (depending on the model). Anything outside of the recommended nose for a specific chassis can cause balance issues with the kart (usually within 0.5%)

More nose weight will increase the grip at the front, (and given the amount of rubber at the rear) it doesn't really negatively impact the rear grip. If a kart is pushing throughout the corner, a little more nose may help get rid of the push. On the flip side, if the kart is constantly loose throughout, less nose may help calm it down.

Over the years some karts run higher nose weight, and some run lower. Why you ask? The simple answer is that they were specifically designed to run with that much nose weight (for proper balance).

So, be sure to keep your kart within the recommended nose weight range and work within it to optimize your chassis balance.