

This is a comparison of the **variance** in key alignment measurements when they are set, used multiple times and then re-measured each time at the tires; then compared to the measurements variance when the set up is done, used and re-measured multiple times directly the hubs on **HUBStands** and **ProHUBStands**.

	<u>Wheels/Tires</u>	HUBstands	HUBstands^{PRO}
Ride Height (per corner)	+/-6.9mm (+/-0.272")	+/- 0.81mm (+/-0.032")	+/- 0.001mm (+/-0.0003")
Camber	+/- 0.5 degree	+/-0.05 degree	+/- 0.01 degree
Toe Angle, per wheel, using strings	+/- 2.75mm (+/-10.6 minutes)	+/- 0.5 mm (+/-2.6 minutes)	+/- 0.2 mm (+/-1.3 minutes)
Total Toe (24.5", 25" tires)	+/- 3.94 mm (+/- 19.9minutes)	+/- 1.0 mm (+/- 5.2 mins)	+/- 0.4 mm (+/- 2.2 mins)

Wheels and Tires are not true, not round and not stable. They add a wide margin of error in the alignment and set up measurement process. Tires change with rotation, with the ambient conditions and with use.

All of that imprecision and change affects your measurement precision and its repeatability.

Tires change, **HUBStands** don't. They give you repeatable precision; while doing it all in a lot less time.

The variances in Toe Angle and especially Total Toe measurements are affected by play in the steering system. The wheels and tires used are 18" diameter wheels with 25in diameter tires in the rear and 24.5in diameter tires in the front on a 2798 lb car.

HUBstands *Way faster. Far more precise.*

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