

# Tech Update 7.15.12

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Some individuals have asked where we got the 1" height clearance distance as stated at the Champ Race.

Here was the rationale:

1. Distance from chassis bottom to center of axle approx. 4" or 100mm
2. Diameter of 7-10 tire 10.75" or 273 mm
  - a. Radius 5.375" or 136mm.
3. Distance from bottom of tire to frame rails 1.375" or about 36mm

Conclusion: A 1" bar should clear by about 35mm or 1-3/8" when the Kart is on the ground.

Of the twenty plus Karts tested, only one didn't clear the bar due to protrusions from the frame. He passed the clutch test but the question was raised, "Where did you get the 1" from?" The above should explain the rationale behind the 1". There is a 1/2" dimension for clearance for the side pods, and in other sections there are minimum clearances listed, but not in Man Cup. series. Since the test was for clutches only, there should have been no references to minimum height of frames. I'm sorry for the confusion.

**All this aside, the test bar will be modified to allow only the wheels to go over the Roll-over Bar. This will assure only testing for stall speed.**

Next question raised was about the test in general. “There is no mention of a TaG clutch test.” was the argument.

WKA provides a clutch test procedure for the KOMET engine’s clutch. For the most part it is exactly like the TaG clutches. It seems logical that the same process be used. TaG engines are required to stall at less than 6000 RPM, and just because WKA doesn’t specify a procedure doesn’t mean you get a ‘bye on it.

**This test may be performed in the future, at any time, before, during, the event, and as a post tech item.**

**The fuel test (Digatron meter) may also be performed at any time, before, during the event, and as a post-tech item.**

**OVKA will use whatever testing methods necessary to check established dimension specified by WKA, or OVKA.**

**Carlson Bogan/ Jean Stafford**