

Informative 21

Camaçari, Nov 1st, 2022

Baja SAE BRAZIL – Northeast Event 2022

Roll Cage tube's thickness measurement

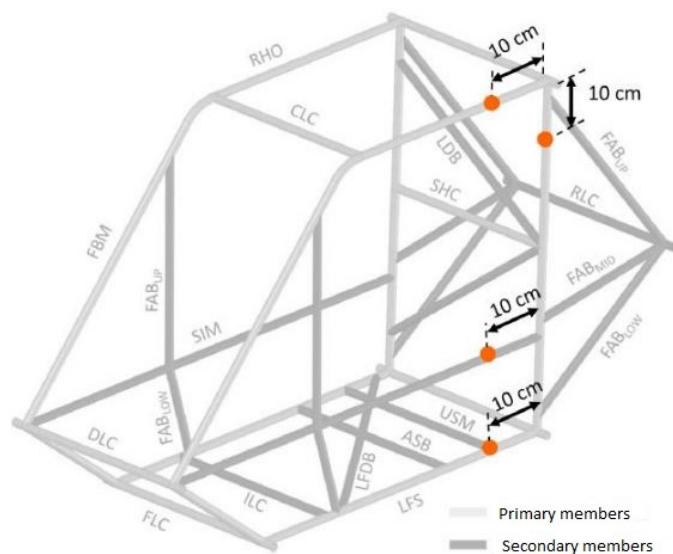
Dear Participants,

Regarding the measures already taken in the sense to improve the technical inspection's efficiency, we ask that the teams to ready your vehicles to facilitate the measurement of the roll cage tube's thickness.

All tubes according to the items B6.2.2.2 and B6.2.2.3 from RATBSB, focusing on primary members, are liable of being measured according to the criteria of the security judges.

The measurements are going to be made either via a caliper, considering the difference between the tube's external diameter and its depth measured via a hole (traditional method) or using an ultrasound equipment (new method).

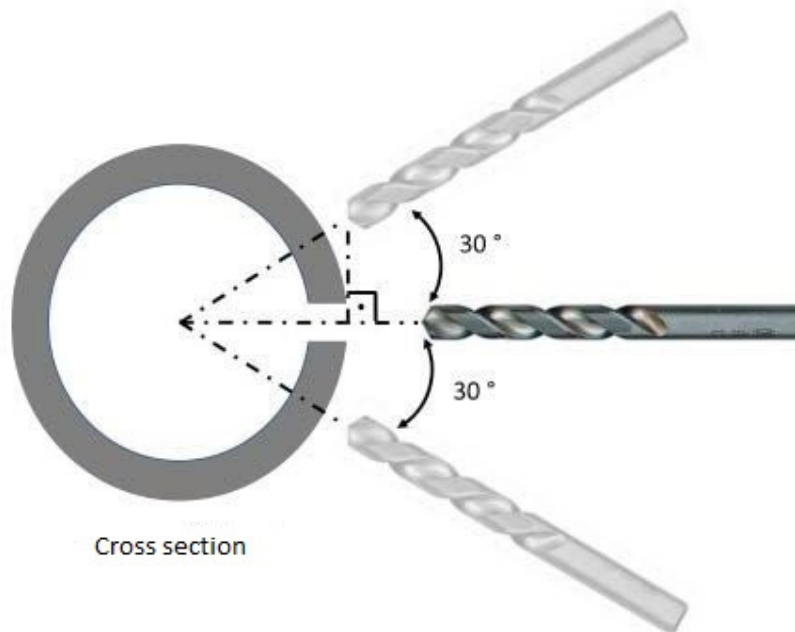
For the caliper measurements, the teams must provide, before the technical inspection event, 4.5mm holes on only one of the tubes' walls, in every position shown in the figure bellow (members RRH, RHO, LFD and SIM).



The holes can be made on any side of the vehicle, in the lateral face of the tube, towards the inside or outside of the car.

The hole should be aligned to the tube's lateral's center line, being allowed divergence of $\pm 30^\circ$ from the ideal condition. Note that the hole must be made in a position perpendicular to the plane tangent to the tube.

The figure bellow summarizes the described instructions.



Should the team find any difficulties in making the hole in the indicated position, and only in that case, it will be allowed the hole to be made during the technical inspection.

Other regions of those same tubes and any others can be checked by the ultrasound method, and the team can be asked to open an entry point for the introduction of the ultrasound machine's probe.

We highlight that the non-compliance to any of those measures together with the ones contained in the roll cage's specification sheet and required in the items B6.2.2.2, B26.2.2.3, B6.3.3, B6.3.4 of RATBSB constitutes a major infraction and will result in the disqualification of the team.

Baja SAE Brasil - Northeast Event Committee