



Operating instructions

„Do not look into the laser“

With the Xtreme you can make both a front axle measurement (collapse of the trace), a full measurement of the kart (Xtreme laser II) and a check of the rear axle (10mm-52mm).

Application:

The kart should be adjusted lengthwise and crosswise by using the added water level. Now fix and center the steering column.

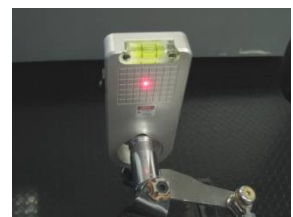
In case of a front brake you have to fix it. Assemble the two measuring heads on the steering stubs (two lasers inwards).

(With construction Xtreme-laserII also the longitudinal lasers have to point backwards.)

It is important that the water levels are adjusted exactly. The measuring scales on the measuring head then indicate the track and the inclination.

One stroke corresponds to 2mm.

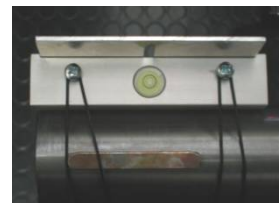
With the aid of the track rods you can adjust the track. With the aid of the exenter you adjust the inclination.



Measuring head

To make a full measurement of the kart (Xtreme Laser II)

You have to fix the brake. Now assemble the two inclination scales to the rear axle. To fix these utilize the added rubber rings. The inclination scales have to be adjusted with the same distance to the external axle boxes. Therefore you use the round water levels. Now, with aid of the outer measure strokes, you adjust the level of the two scales so that at the same time the longitudinal lasers of the measurement heads point exactly to the center of the scales. By cramping the steering wheel to the left or to the right (30°) you can meter-read the backlash. This should be identical if you cramble the steering to the left or to the right.



Spread scale.



Rear axel checking

You can check the cyclic running of the rear axle by assembling the two measuring heads on the rear axle so that the two lasers point inwards. If the two lasers coincide exactly, the axle is right. (check this at several points)

