

# OnPoint Racing OP12C

Driver: Robert Krens  
Location: Nuclea Mol, Belgium  
Event: Nuclea, CW#1. Qualified 2nd, Finished 2nd. Fast Lap: 8.338  
Date: 20-10-2013

## Track Conditions

Composition:  Asphalt  Carpet Other: \_\_\_\_\_ Surface: Smooth     Bumpy \_\_\_\_\_  
Traction: Low      High Layout:  Open  Both  Tight  Indoor  Outdoor

## Front End

Associated Serpent  
Arms mount 0° 5°  10° 0° 3° 6° 10°  
Susp. arm insert Narrow / Mid / Wide  
Caster spacer 1.80° 3°  5° 6.15° Front / Med / Back  
Roll centre: No shims  Inside  Outside  
Shims on top king pin: 5  
Front spring: 0.20  
Front caster: Arm / 0,6 / 0.4 / Block / 0.5 / 0.3 / Arm  
Front camber: °0.6 on hudy (0.8 on wheel)  
Toe angle: °0.5 out  
Bump steer shim: 2mm  
Droop: 0.4mm  
King pin lube: 10.000  
Front car width: 169mm  
Ride height: 3.2mm  
Notes:

*Xenon Front end with 0 angle steering bloks. 2mm shims between lower arm and bulkhead. No shims between casterblock and bulkhead (Markus uses one). Front stabiliser with rubber ring. Ackerman angled a little to the front.*

## Front tires

Brand & compound: Mobgum Magenta (yellow rimm)  
Diameter: 40.0  
Tire treatment: Speedtech RC when used  
Time & surface: 1 min 20% when no glue. 2 min and 80% when glue on sidewall

## Rear End

Shock brand: HotBodies Piston: STD  
Shock oil: 325CST  
Centre spring: Blue Preload: 6mm  
Shock position – Front:  Low  High (*straight tower*)  
Shock position – Rear: Short topdeck with 2mm shim  
Damper tube lube: 30.000  
Side spring: Black, 3.25LBS Preload: none  
Rear car width: 171,8mm  
Ride height: 3.2mm  
Roll centre: None  
Pod droop: 0.7mm  
Battery position:  Left  Right Against electronics  
Plug position:  Front  Back Against Servo, fully to the front  
Notes:

*30K keeps the car more flat then 20K. Ceramic balls in diff. Stealth diff plates.*

## Rear tires

Brand & compound: Mobgum HT (Pink lifts more. Magenta is next best says Mobers)  
Diameter: 41.0  
Tire treatment: Speedtech RC when used  
Time & surface: 4 min 100%

## Body & Electronics

Body: Black Art BA005 (Worlds Body)  
Body position: 12mm front  
Wing / Spoiler:  Yes  No  
Receiver: Sanwa 451R  
Servo: Sanwa 141HR

Batteries: Team Orion 90C 6400Mah  
Motor: 4.5T Rotor: STD, Timing 2.5 stripe  
Pinion: 26 Spur: 90 Rollout: 37.210  
ESC: Team Orion R10 Pro, 1S  
ESC Settings: Autobrake: 15% / DRRS: 2 / Timing: 27 / RPM: 7000 / ACC 750

## Comments

Arr0 at Petitr.com

*Mobgum Pink lifts on initial corner. Mobgums HT has completely no lift, but shows 1.3mm wear per run. Glueing the sidewalls of the front tire stops the car from lifting but takes a way a lot of steering. Therefor going from 20% soak to 80% soak is a must and still understeers. Protoform AMR lifts a bit more then Black Art BA005. Giving the car a little bit more caster made it lift les in the slower corners and made it a bit more stable.*