3Racing Cero Ultra/ACE

Setup: Alex Pan Castle Hill · Pan Alex · May 18, 2023

so dialed
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TRACK

Type	Indoor concrete
Grip / moisture	Low / Dusty/Dry
Surface / layout	Bumpy / Tight
Air temp	17.5°C (64°F)
Track temp	12.5°C (55°F)

FRONT SUSPENSION

ACKERMANN

Inner steering link shims	1 mm
Outer steering link location	Middle
Anti-roll bar	1.2 mm
Bump steer: outer steering link shims	3 mm
Camber	-1 degrees

CAMBER LINK

FF mount shims	2 mm
FR mount shims	2 mm
Outer shims	2 mm
Caster	4 degrees
Differential height	Low
Downstop	4 mm
Droop	1.6 mm

LOWER ARMS

FF mount shims	2 mm
FR mount shims	2 mm
Ride height	5.4 mm
Shocks: tower shims	2 mm
Toe	-1 degrees
Track: wheel hexes	3 mm
Twist bar orientation	2.5mm lock nut

ELECTRONICS

Battery brand	LRP
Battery capacity	6100 mAh
ESC brand	Hobbywing
ESC model	Xr10 stock spec
Motor brand	Hobbywing
Motor model	G4
Motor wind	21.5 turns
Radio brand	Sanwa/Airtronics
Radio model	M17
Receiver brand	Sanwa/Airtronics
Steering servo brand	Sanwa/Airtronics
Steering servo model	PGS

REAR SUSPENSION

Anti-roll bar	1.1 mm

ARS LINK

Outer location	3
Outer shims	4 mm
Camber	-2 degrees

CAMBER LINK

Outer shims	2 mm
RF mount shims	1 mm
RR mount shims	1 mm
Caster	0 degrees
Differential height	Low
Downstop	3 mm
Droop	2 mm

LOWER ARMS

RF mount shims	2 mm
RR mount shims	2 mm
Ride height	5.7 mm
Shocks: tower mount shims	3 mm
Toe	2 degrees
Track: wheel hexes	3 mm
Twist bar orientation	2.5mm lock nut

BODY & CHASSIS

Body posts - rear	Horizontal
Body shield shims - F	3 mm
Body shield shims - R	3 mm
Bumper	TPU
Bumper holder screws	Yes
Chassis	Graphite
Motor mount screws	4, 5
Motor placement	Mid
Upper deck	1-piece 5/5
Upper deck screws	1 - Front, 2, 3, 5, 6, 9, 10
Weight balance - F/R	50 / 50 %
Weight: total	1320 g
Wheelbase	257 mm

SHOCKS

	FRONT	REAR
Bladder foam	No	No
Oil weight	400 cst	400 cst
Pistons	4 x 1.1mm	4 x 1.1mm
Rebound	0 %	0 %
Shock length	46.1 mm	46.1 mm
Springs	2.6C White	2.4C Clear
Stroke	11.1 mm	11.1 mm
Shock oil brand	Hudy	

DRIVETRAIN

DIFFERENTIALS

Front type	Spool
Rear fluid	2,000 cst
Rear type	Gear
Drive ratio - final	3.60
Drive ratio - internal	1.9
Driveshafts - F	Universal
Driveshafts - R	Universal
Gear pitch	48
Pinion	37 teeth
Spur	70 teeth

TIRES

	FRONT	REAR
Tire brand / type	Rush	Rush
Tire compound	24X	24X
Wheel brand / type	Rush	Rush
Tire prep	Brendix brake cleaner	