Xpress ARROW AT1

Setup: Forest of Dean - Club Champs 17/01 · Mark Raddenbury (Speedrc.co.uk) · Jan 18, 2023

so dialed
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EVENT

Event	Club
Class	17.5t Blinky TC

TRACK

Track	Forest Raceway
Type	Indoor carpet
Grip / moisture	Medium
Surface / layout	Smooth / Tight
Air temp	10°C (50°F)
Track temp	7.5°C (46°F)

RESULTS

Race type	Main
Race number	5
Best lap	6.88 s
Average lap	7.12 s

FRONT SUSPENSION

ACKERMANN	
Outer steering link location	Carbon plates - standard
Servo saver inserts	8 mm
Steering plate shims	0 mm
Anti-roll bar	1.3 mm
Arms	Hard
Bump steer: outer steering link shims	3.5 mm
Camber	-2 degrees
Camber link plate	42 mm
CAMBER LINK	
Inner link shims	3 mm
Inner mount shims	1 mm
Outer link shims	2 mm
Downstop	5.8 mm
FF mount	Aluminum
FF mount inserts	0 center
FF mount shims	0 mm
FR mount	Split aluminum
FR mount inserts	0 center
FR mount shims	0 mm
Hub carriers	Hard
Ride height	5 mm
Servo saver stud shims	2 mm
SHOCKS	
Arm mount shims	0 mm
Tower mount shims	2.5 mm
Steering blocks	Hard
Toe	-0.5 degrees
Track: wheel hexes	5 mm
Wheelbase: arm spacers - F/R	1 / 1 mm

REAR SUSPENSION

Anti-roll bar	1.3 mm
Arms	Hard
Camber	-2 degrees
Camber link plate	46 mm
CAMBER LINK	
Inner link shims	3 mm
Inner mount shims	0 mm
Outer link location	Inside
Outer link shims	1 mm
Downstop	5.6 mm
Hubs	Hard
RF mount	Aluminum
RF mount inserts	0 center
RF mount shims	0 mm
Ride height	5 mm
RR mount	Split aluminum
RR mount inserts	0 center
RR mount shims	0 mm
SHOCKS	
Arm mount shims	1.5 mm
Tower mount shims	2.5 mm
Toe	3
Track: wheel hexes	5 mm
Wheelbase: arm spacers - F/R	2/5 mm

BODY & CHASSIS

Battery position	Standard
Body	Racer2
Body mounting	4mm forward
FLEX	
Chassis	2.25mm Graphite
Upper deck	2mm Graphite
Upper deck stiffener	None
Screws & turnbuckles	Alloy screws on all upper parts Alloy screws on all drivetrain sections under chassis
Weight: total	1325 g
Weights	Extra 5g in the front bumper

NOTES Middle screws removed at rear on motor mount to aid rear flex

SHOCKS

	FRONT	REAR
Foam inserts	No	No
Hole in caps	Yes	Yes
Oil weight	550 cst	550 cst
Pistons	2-hole	2-hole
Rebound	0 %	0 %
Springs	2.2-2.9	1.9
Stroke	10.5 mm	10.5 mm
Shock oil brand	Rcraceprep	

DIFFERENTIALS

	FRONT	REAR
Diff type	Spool	Gear
Diff fluid	–	10,000 cst
Diff fluid mass	–	1.1 g
Diff fluid brand	Rcraceprep	

DRIVETRAIN

Drive ratio - final	5.69
Drive ratio - internal	2.353
Driveshafts - front	Universal Double Joint
Driveshafts - rear	41mm Universal
Front drive type	Spool
Gear pitch	48
Pinion	32 teeth
Spur	72 teeth

ELECTRONICS

Battery brand	Ludicrous Lipo
Battery capacity	6000 mAh
ESC brand	Hobbywing
ESC model	Elite
ESC settings	Punch - 10 Drive Freq - 8k Coast - 5% Brake - 87.5% Brake Freq - 4%
Radio brand	Futaba
Radio model	4GRS
Steering servo brand	Ludicrous Lipo