Xpress ARROW AT1

Setup: Nationals Base - Mod · Mark Raddenbury (Speedrc.co.uk) · May 27, 2023

so dialed
Open/save in RC Setup App →

Scan to open in the app

EVENT

Event	Testing

TRACK

Track	Mendip
Type	Outdoor asphalt
Grip / moisture	Low / Dusty
Surface / layout	Bumpy / Medium
Air temp	22.5°C (73°F)
Track temp	25°C (77°F)

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	0.5 mm
Outer steering link location	1 - Outside
Servo saver inserts	8 mm
Anti-roll bar	1.3
Arms	Medium
Bump steer: outer steering link shims	3 mm
C-Hubs	Medium
Camber	-2 degrees
Camber link plate	46 mm
CAMBER LINK	
Inner mount shims	0 mm
Inner shims	3 mm
Outer shims	1 mm
Downstop	5.6 mm
FF mount	Aluminum
FF mount inserts	1 up
FF mount shims	0 mm
FR mount	Split aluminum
FR mount inserts	1 up
FR mount shims	0 mm
Ride height	5.5 mm
Servo saver stud shims	0 mm
SHOCKS	
Arm mount shims	1.5 mm
Tower mount shims	3 mm
Steering blocks	Medium
Toe	-1.5 degrees
Track: wheel hexes	5 mm
Wheelbase: arm shims - F/R	1 / 1 mm

ELECTRONICS

Battery brand	LRP
Battery capacity	5000 mAh
ESC brand	Hobbywing
ESC model	G2 Elite
Motor brand	Hobbywing
Motor timing	10 degrees
Radio brand	Futaba

REAR SUSPENSION

Anti-roll bar	1.2
Arms	Medium
Camber	-2 degrees
Camber link plate	38 mm
CAMBER LINK	
Inner mount shims	0 mm
Inner shims	3 mm
Outer location	On Power System
Outer shims	0 mm
Downstop	4.6 mm
Hubs	Medium
OPCS	
Inner link shims	2
Outer link shims	0
RF mount	Aluminum
RF mount inserts	1 up
RF mount shims	0 mm
Ride height	6 mm
RR mount	Split aluminum
RR mount inserts	1 up
RR mount shims	0 mm
SHOCKS	
Arm mount shims	1 mm
Tower mount shims	2 mm
Toe	3 degrees
Track: wheel hexes	5 mm
Wheelbase: arm shims - F/R	3 / 4 mm

TIRES

	FRONT	REAR
Tire additive area	In, Mid-in, Mid-out, Out	In, Mid-in, Mid-out, Out
Tire brand / type	Rush BRCA Nationals	Rush BRCA Nationals

Tire additive	Spidergrip Red
Tire prep	Additive for 10 mins (no warmers) Re-apply additive for 15mins (warmers at 20° over track temp)

SHOCKS

	FRONT	REAR
Foam inserts	No	No
Hole in caps	Yes	Yes
Oil weight	400 cst	400 cst
Pistons	2-hole	2-hole
Rebound	0 %	0 %
Springs	Pink hard	2.3
Stroke	10.5 mm	10.5 mm

Shock oil brand	SpeedWurks

DIFFERENTIALS

	FRONT	REAR
Diff type	Spool	Gear
Diff fluid	–	6,000 cst
Diff fluid mass	–	1.1 g

Diff fluid brand	SpeedWurks

DRIVETRAIN

Drive ratio - final	7.92
Drive ratio - internal	2.353
Driveshafts - front	Universal Double Joint
Driveshafts - rear	41mm Universal
Front drive type	Spool
Gear pitch	48
Pinion	23 teeth
Spur	72 teeth

BODY & CHASSIS

Battery position	Standard
Body	BittyDesign
Body mounting	4mm forward Rear body posts raised by 2mm
FLEX	
Chassis	2.25mm Graphite
Upper deck	2mm Graphite
Screws & turnbuckles	All alloy lower screws.

ESC SETTINGS

BOOST

Activation	**RPM**
RPM End	**25000 rpm**
RPM Start	**15000 rpm**
Timing	**5 degrees**

BRAKE

Drag	**10 %**
Frequency	**4 kHz**
Initial strength	**Drag %**
Strength	**87.5**

THROTTLE

Frequency	**12 kHz**
Neutral range	**8 %**
Strength	**7**

TURBO

Delay	**0.15 seconds**
Ramp	**18**
Timing	**38 degrees**