Xpress ARROW AT1

Setup: 17,5 VTA '24 Outdoor · Patrick Stothfang · Oct 31, 2024

so dialed
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EVENT	
Event	P&W Cup
Class	VTA

TRACK	
Track	ERC Racing Rheine
Type	Outdoor asphalt
Grip / moisture	Medium/Low / Dry
Surface / layout	Medium / Tight/Medium
Air temp	25°C (77°F)
Track temp	30°C (86°F)

RESULTS	
Race type	Main
Finish	2nd
Best lap	16.6 s

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	0.5 mm
Outer steering link location	1 - Outside
Servo saver inserts	8 mm
Anti-roll bar	1.2 mm
Arms	Medium
Bump steer: outer steering link shims	2.5 mm
C-Hubs	Medium
Camber	-1.5 degrees
Camber link plate	X-square upper bulkheads mm
CAMBER LINK	
Inner mount shims	0 mm
Inner shims	2 mm
Outer shims	1 mm
Downstop	5.2 mm
FF mount	Brass
FF mount inserts	0.5 up
FF mount shims	0 mm
FR mount	Split brass
FR mount inserts	0.5 up
FR mount shims	0 mm
Ride height	5.2 mm
Servo saver stud shims	2 mm
SHOCKS	
Arm mount shims	1 mm
Tower mount shims	2.5 mm
Steering blocks	Hard
Toe	-0.5 degrees
Track: wheel hexes	5 mm
Wheelbase: arm shims - F/R	1 / 1 mm

NOTES No bulkhead stiffener, x-square upper bulkheads

REAR SUSPENSION

Anti-roll bar	None mm
Arms	Medium
Camber	-1.5 degrees
Camber link plate	X-square upper bulkheads mm
CAMBER LINK	
Inner mount shims	0 mm
Inner shims	3 mm
Outer location	OPCS used
Outer shims	0.5 mm
Downstop	4.4 mm
Hubs	OPCS
OPCS	
Inner link shims	2
Outer link shims	2
RF mount	Aluminum
RF mount inserts	0.5 down and out
RF mount shims	0 mm
Ride height	5.6 mm
RR mount	Split aluminum
RR mount inserts	0.5 down and out
RR mount shims	0 mm
SHOCKS	
Arm mount shims	1.5 mm
Tower mount shims	5 mm
Toe	2.5 degrees
Track: wheel hexes	5mm +1mmShim mm
Wheelbase: arm shims - F/R	2 / 5 mm

TIRES

	FRONT	REAR
Tire brand / type	Hpi VTA 26mm	Hpi VTA 31mm
Wheel brand / type	Hpi	Hpi
Tire additive	CS High Grip Asphalt	
Tire prep	Sauce, then Heat for 20-30 minutes	

SHOCKS

	FRONT	REAR
Foam inserts	No	No
Hole in caps	No	No
Oil weight	450 cst	450 cst
Pistons	4-hole	4-hole
Rebound	0 %	0 %
Springs	2.3-2.6	2.6
Stroke	10.5 mm	10.5 mm

DIFFERENTIALS

	FRONT	REAR
Diff type	Spool	Gear
Diff fluid	–	7,500 cst
Diff fluid mass	–	1.1 g

DRIVETRAIN

Drive ratio - final	6.82
Drive ratio - internal	2.353
Driveshafts - front	Universal Double Joint
Driveshafts - rear	41mm Universal
Front drive type	Spool
Gear pitch	64
Spur	90 teeth

BODY & CHASSIS

Battery position	Standard
Body	Protoform Mustang
FLEX	
Chassis	2.25mm Graphite
Upper deck	2mm Graphite
Upper deck stiffeners	Middle - Aluminum
Weight: total	1355 g

ELECTRONICS

ESC brand	Sanwa
ESC model	SV Dtype plus
Motor brand	Ruddog
Motor model	RP 540 fixed timing
Motor wind	17.5 turns
Steering servo brand	SRT
Steering servo model	CH6012