Mugen MTC3

Setup: My Base Setup · Francesco Eboli · Oct 5, 2026

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EVENT	
Event	Test
Class	modificata

TRACK	
Track	Arezzo
Type	Outdoor asphalt
Grip / moisture	Medium / Dry
Surface / layout	Smooth / Medium
Air temp	20°C (68°F)
Track temp	15°C (59°F)

RESULTS	
Race type	Practice
Race number	1

FRONT SUSPENSION

ACKERMANN	
Inner steering link position	Front
Outer steering link location	Out
Anti-roll bar	1.2 mm
Axle height: upright shims	0.5
Bump steer: outer steering link shims	3 mm
Camber	-2 degrees
Caster	4 degrees
Diff height	High
Droop	23.6
KPI: steering arms	A
Lower arms	Standard
LOWER ARMS	
FF shims	0 mm
FR shims	0.5 mm
Ride height	4.8 mm
Servo horn length	15 mm
SHOCKS	
Arm mounts	In
Tower type	Fixed
Upper ball	Horizontal
Upper position	2 mm
Steering angle - in/out	25 degrees
Toe	-1.25 degrees
Track: wheel hexes	+0 mm
UPPER LINKS	
FF shims	2 mm
FR shims	2 mm
Outer shims	5 mm

ELECTRONICS

Battery brand	LRP
Battery C rating	120/60 C
Battery capacity	6500 mAh
Battery model	HV ULTRALCG MODIFIED
ESC brand	Hobbywing
ESC model	Xerun XR10 pro
Motor brand	Hobbywing
Motor Kv constant	7430 Kv
Motor model	4.5T
Motor timing	32.5 degrees
Radio brand	Sanwa/Airtronics
Steering servo brand	SRT

REAR SUSPENSION

Anti-roll bar	1.1 mm
Axle height: upright shims	1 mm
Camber	-2 degrees
Caster	+ 2 degrees
Diff height	High
Downstop	22.4 mm
LOWER ARMS	
RF shims	0.5 mm
RR shims	2.5 mm
Ride height	5 mm
SHOCKS	
Arm mounts	In
Tower type	Active
Upper ball	Horizontal
Upper position	2 mm
Toe	3 degrees
Toe link: outer shims	4 mm
Track: wheel hexes	+0 mm
UPPER LINKS	
Outer shims	5 mm
RF shims	1.5 mm
RR shims	1.5 mm

BODY & CHASSIS

Body	Twister speciale 0.5 mm
Body: front mount height	29,3 mm
FLEX	
Chassis	1.5mm Alum
Motor mount screws	1 - Front, 2, 3, 4
Upper decks	F: 2.0mm (#A2179/20) R: 2.2mm (#A2179/22)
Weight balance - F/R	50 / 50 %
Weight: total	1280 g

SHOCKS

	FRONT	REAR
Oil weight	400 cst	400 cst
Pistons	4 x 1.1mm	4 x 1.1mm
Rebound	100 %	100 %
Springs	4.5T	4.25T
Stroke	7.5 mm	7.5 mm
Shock oil brand	Mugen Seiki	

NOTES Membrane originali

DRIVETRAIN

Belt tension - F	0
Belt tension - F	0
Diff fluid	7,000 cst
Diff fluid brand	Mugen Seiki
Diff fluid mass	1.5 g
Diff outdrives	Standard
Drive ratio - internal	1.9
Driveshafts - front	Double-jointed
Driveshafts - rear	CV
Gear pitch	64
Outdrives	Standard
Pinion	25 teeth
Spur	94 teeth

TIRES

	FRONT	REAR
Tire brand / type	Matrix	Matrix
Tire compound	36	36
Tire warmer temperature	70 degrees	70 degrees
Tire warmer time	20 min	20 min
Additive	Mr33	

NOTES 15 m additivo mr33 + 5 m mighty grip giallo

ESC SETTINGS

BOOST	
RPM End	22500 rpm
RPM Start	7500 rpm
Brake: Drag	12 %
Turbo: Timing	40 degrees