XBILITY RC SET-UP SHEET

NAME	DATE
Clint T	2025.11.24

QUAL POS.	FINAL POS.	LAPS / TIME	BEST LAPTIME
		/	

COMMENTS

Main setup I come back to during all my testing of parts, etc.
Works well in medium and highly technical track layouts.
Monitor front tire and disc height. I find .4mm lower disc to tire until ~22.6 then switch to no disc works best

TRACK

NAME: Madison Mini RC

TRACK SURFACE	☐ CARPET	☑ RCP	
TRACK LAYOUT	☑ TECHNICAL	☐ MIXED	☐ FAST
TRACTION	☐ LOW	☑ MEDIUM	☐ HIGH

BODY

MODEL	BUMPER
Xbility	-1 - no weights
WING	**BODY TYPE**
flat	Nova

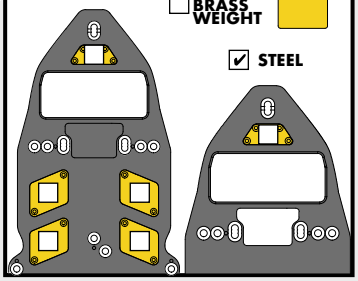
WEIGHTS

BODY WEIGHT		CAR WEIGHT		TOTAL WEIGHT
grams	+	grams	=	172 grams

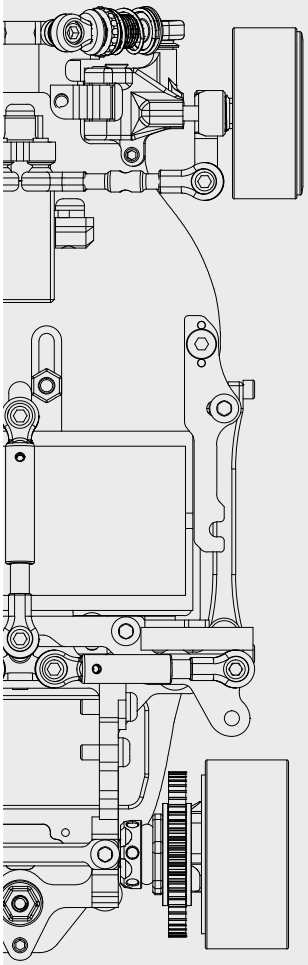
FRONT 49 % WEIGHT DISTRIB. 51 % BACK

CHASSIS

☐ ALUM ☐ RX BRASS WEIGHT ☑ STEEL



FRONT TOTAL WIDTH: 74 mms



REAR TOTAL WIDTH: 75 mms

ELECTRONICS

MOTOR	SERVO
NHX - 2500	TORO
ESC	**BATTERY**
NHX- Sensor	MWX-450

BATTERY POSITION: ☐ FRONT ☑ CENTER ☐ BACK

COMMENTS:

FRONT

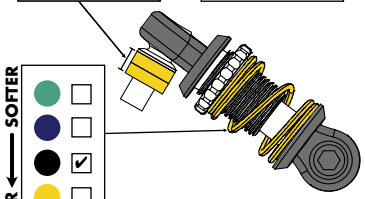
SHIMS: 1 mms

OIL / GREASE: ☑ atomic 15k

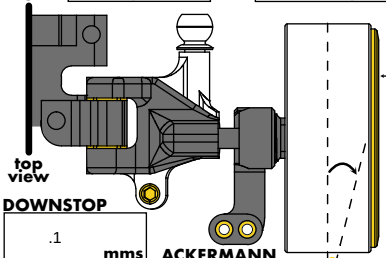
CASTER: ☐ 0 ☑ 1.5 ☐ 3 degrees

TOE: 0 degrees

AXLE TRAIL: 0 mms



SOFTER / HARDER



front / top view

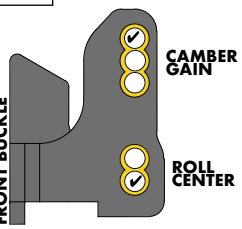
DISCS ☑ SIDE GLUE ☐ NOTHING: .4 mms

TYRE DIAMETER: 23 mms PN-KSK model

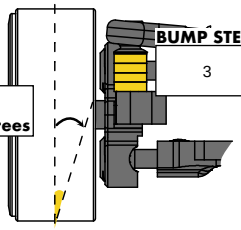
RIM OFFSET: 0 mms Reflex model

DOWNSTOP: .1 mms

ACKERMANN



FRONT BUCKLE — ☑ CAMBER GAIN ☑ ROLL CENTER



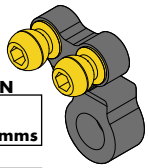
CAMBER: 1 degrees

BUMP STEER: 3 mms

STEERING DEGREES: stock degrees

HORN ACKERMANN: stock mms

HORN TYPE: Xbility



MID

DAMPER / SHOCK: ☑

FRONT SHIMS: 0 mms

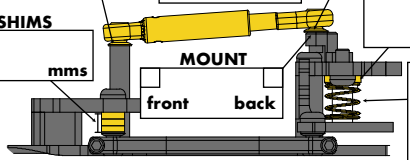
OIL / GREASE: ☑ Marka 10k

BACK SHIMS: 0 mms

PRE-LOAD SHIMS: 0 mms

LINK SHIMS: mms

MOUNT: front / back





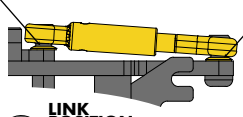
SOFTER / HARDER

HARD-MOUNT SHIMS: mms

SIDE IN SHIMS: 1 mms

OIL / GREASE: ☑ Marka 10k

SIDE OUT SHIMS: 0 mms



SIDE DAMPERS

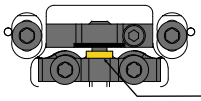
LINK POSITION



DAMPER POSITION



PIVOT MOUNTING POSITION



PIVOT SHIM: ☐ 0 ☑ 1 ☐ 2 mms

REAR



SOFTER / HARDER

DROOP: .2 mms

POD-ANGLE: flat mms

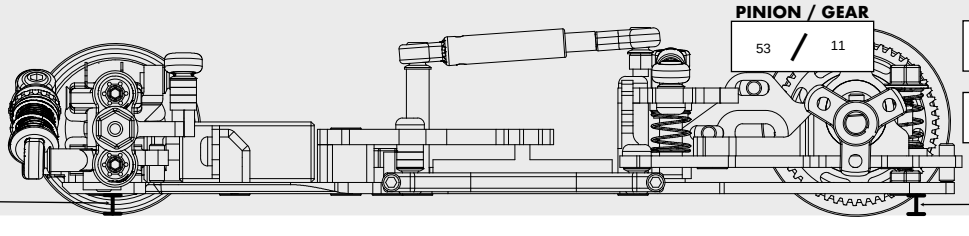
REAR SCREW POSITION

RIDE HEIGHT ECCENTRIC BUSHINGS

+1	+0,8	+0,6	+0,4	+0,2	0	-0,2	-0,4	-0,6	-0,8	-1
☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐

TYRE DIAMETER: 25 mms Marka RR10 model

RIM OFFSET: +3 mms Xbility model



PINION / GEAR: 53 / 11

DIFF TYPE: Xbility

GREASE: Dry

BALL TYPE: Stock

LOCK: ☐ soft ☑ med ☐ hard

FRONT HEIGHT: 2 mms

REAR HEIGHT: 2 mms