

# SET-UP SHEET

X4'25 SET-UP SHEET VER.1 ©XRAY

## ***XRAY X4'25***

RACE	ETS Pro-Stock - Testday - Season opening				
TRACK	MAC Mettenheim, very green, very little sugaring				
NAME	Martin Hofer			DATE	19.04.25
QUAL POSITION	FINAL POSITION		BEST LAPTIME	LAPS	TIME
-	-		17.3 /sec	/	

TRACK		
TRACK SURFACE	<input type="checkbox"/> CARPET	<input checked="" type="checkbox"/> ASPHALT
TRACK LAYOUT	<input type="checkbox"/> TECHNICAL	<input checked="" type="checkbox"/> MIXED <input type="checkbox"/> FAST
TRACTION	<input checked="" type="checkbox"/> LOW	<input type="checkbox"/> MEDIUM <input type="checkbox"/> HIGH

FRONT		TRANSMISSION		REAR	
GEAR DIFF OIL	/cst	<input checked="" type="checkbox"/> FRONT SOLID AXLE		GEAR DIFF OIL	5000 /cst
PINION	45 /T	SPUR GEAR	90 /T	FINAL DRIVE RATIO	3,8

FRONT		SHOCKS	REAR	
2.4-2.7		XRAY SPRINGS	2.7	
375		OIL /Cst	375	
10		REBOUND %	10	
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	FOAM INSERTS	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

Technical drawing of a shock absorber assembly. The drawing shows a central shock absorber component with a piston rod and a mounting bracket. Dimensions are indicated: 1.1mm and 1.2mm for the mounting bracket, and 1.1mm and 1.2mm for the shock absorber body. Labels include "4 HOLES", "PSS", "SHOCK LENGTH", and "7.3 /mm".

4 HOLES

1.1mm

1.1mm

1.2mm

1.2mm

4 HOLES

PSS


PSS

SHOCK LENGTH

7.3 /mm

7.3 /mm

SHOCK LENGTH

1.2	THICKNESS/mm		THICKNESS/mm	1.2
Matrix 36 - Stock		TIRES ADDITIVE ADDITIVE TIMING WIPE OFF TIME TIRE WARMERS	Matrix 36 - Stock	
blue			blue	
15			15	
-			-	
Timing: 15	Temp.: 70		Timing: 15	Temp.: 70

The diagram shows a cross-section of a tire. On the left, a vertical double-headed arrow indicates the height of the 'SIDE WALL GLUE' area, with a label 'DIA. /mm' below it. On the right, a vertical double-headed arrow indicates the height of the 'FRONT TIRES' area, with a label 'full /mm' below it. The 'FRONT TIRES' area is further divided into 'ADDITIVE AREA' and 'full'.

<b>TOTAL WEIGHT</b>	<b>1320</b> /g	<b>WEIGHT BALANCE</b>	FRONT <b>51</b> %	REAR <b>49</b> %
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<b>MOTOR</b>	HW 17.5 ETS	<b>TIMING</b>	fixed
<b>ESC</b>	HW ETS - 21k limit	<b>BATTERIES</b>	NOSRAM 5100 ULCG
<b>BODY</b>	Panthera 0.5	<b>WING</b>	Standard

**cross +6 /mm**

Dimension from body post to window bottom line

**BODY POSITION**

Dimension from body post to upper holder

**WING SIDE PLATE**

YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
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Dimension from edge to surface

/mm

GF 1.6mm 2.0mm 1.6mm GF

SCREWS

SHIMS

2.0mm 1.6mm

NONE BEARING

TOP DECK CUTTING

sub 20deg was too cold for 36 tires, so hot warmers and additive to cope somehow. But that made it quite consistent for the first day of the year on a super green track with very little sugaring. Made big improvement steps. First test with ETS HW combo. Setup to follow separately.

- 3mm rear shock spacer greatly improved stability upon weight transfer at the apex / on power without loss of steering.
- weight balance shifted forward for a much improved balance.
- rear springs need to be stiffer to counter span oversteer due to cold tires in the rear / keep up tire surface temp.
- softer front (sway bar and spring) both to improve steering balance through the turn while maintaining good rotation.
- 2.0/2.0 5.2 5.5 rollercoaster has much more apex compensated but also requires much more skill to get right. Fastest lap, high cornering, 1/10 over run consistency with 1.0/1.0 5.1/5.5 because lower is much easier to drive but also 'locked in'
- Probably best: 1.5/1 5.2/0.0

**FRONT CASTER**

5° 4° 3°

Adjust with eccentric bushings

**FRONT & REAR SUSPENSION**

**REAR CASTER**

0.5° 1.5° 2.5° 3.5° 4.5° 5.5°

Adjust with eccentric bushings

**Upper links CASTER**

**BUMP STEER**

1.5 /mm

**HEIGHT**

18.5 /mm

**SHIM**

5 /mm

**TOE GAIN**

2.0 /mm

**RIDE HEIGHT**

**SERVO SAVER**

**SERVO HORN**

**2.0** /deg. **CAMBER**  
Left=Right

**BODY STOP**  
YES ☒ NO ☐ /mm

**SHOCK HOLDERS**  
SHIM **2.0** /mm

**SHOCK TOWER SCREW**  
YES ☒ NO ☐  
YES ☐ NO ☒

**FRONT**  
FF **1.5** /mm  
FR **1.5** /mm  
**SHIM** **2.0** /mm

**FRONT HUB**  
MEDIUM ☐  
HARD ☐  
GRAPHITE ☒  
ALU ☐

**SHIM** **0.5** /mm

**DRIVE SHAFT**  
☐ 58mm ☐ 59mm ☒ BEARING ☐ BLADE

**DOWNSTOP** **5.8** /mm

#107702 Chassis Droop Gauge Blocks  
#107712 Chassis Droop Gauge  
Set with shocks ☒ Set without shocks ☐

**2.0** /deg. **CAMBER**  
Left = Right

**BODY POST**  
VERTICAL ☒  
HORIZONT. ☐

**SHOCK HOLDERS**  
FIXED ☒ ☐ ACTIVE  
SHIM **3.0!** /mm

**SHOCK TOWER SCREW**  
YES ☒ NO ☐  
YES ☐ NO ☒

**DRIVE SHAFT**  
☐ 52mm ☐ 54mm ☒ BEARING BLADE ☐

**REAR**  
RF **1.0** /mm **SHIM** **2.0** /mm  
RR **1.0** /mm

**REAR HUB**  
MEDIUM ☐  
HARD ☐  
GRAPHITE ☒  
ALU ☐

**SHIM** **1.0** /mm

**DOWNSTOP** **4.4** /mm

#107702 Chassis Droop Gauge Blocks  
YES ☐ NO ☒

#107712 Chassis Droop Gauge  
Set with shocks ☒ ☐ Set without shocks

**FRONT** **TOP VIEW** **REAR**

**1.0 TOE OUT**  
Left = Right

**ACKERMANN**  
SHIM **0** /mm

**SHORT LiPo BRASS WEIGHT**  
YES ☐ NO ☐ YES ☐ NO ☐

**2.8 TOE IN**  
Left = Right

**DIFF POSITION**  
☒ UP  
☐ DOWN  
☐ +1mm

**FRONT UPPER**  
ARM LINKS  
C ☐ ☐  
XS ☐  
S ☒  
M ☐

**STEERING BRIDGE**  
YES ☐ NO ☒

**SHIM** /mm

**HUB OFFSET**  
☒ ☐ ☐

**SHIM** /mm

**STEERING**  
SHIM /mm **7.5**  
SIZE **8.0mm** ☒ **7.5mm** ☐  
PLATE STD.

**REAR UPPER**  
ARM LINKS  
C ☐ ☐  
XS ☐  
S ☒  
M ☐

**SHIM** /mm

**HUB OFFSET**  
☒ ☐ ☐

Callouts: 5, 40g, 35, 20, FAN, 20, 2.8, 1.0, 0, 7.5, 8.0mm, 7.5mm, STD.

**FRONT** **BOTTOM VIEW** **REAR**

**BUMPER**

3D - KIT	<input checked="" type="checkbox"/>
FOAM	<input type="checkbox"/>

**STEER. LOCK**

**26** /degr.

**T-BRACE**

ALU	<input type="checkbox"/>
BRASS	<input type="checkbox"/>

**MOTOR MOUNT**

**SERVO HOLDER**

**CHASSIS T-BRACE**

**FRONT ARMS**

MEDIUM	<input type="checkbox"/>
HARD	<input checked="" type="checkbox"/>
GRAPHITE	<input type="checkbox"/>

**CHASSIS**

GRAPHITE	<input checked="" type="checkbox"/>
ALU	<input type="checkbox"/>
ALU 1.5mm	<input type="checkbox"/>

**REAR ARMS**

MEDIUM	<input type="checkbox"/>
HARD	<input checked="" type="checkbox"/>
GRAPHITE	<input type="checkbox"/>

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