

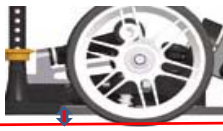


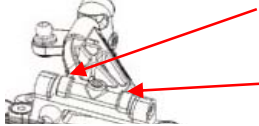









|   |  |  |  |  |  |
|---|--|--|--|--|--|
|    |  | <b>Setup Sheet for Serpent</b><br><b>S120 1:12th pan car</b>   |  | Datum: _____<br>Driver: _____<br>Race: _____ |  |
| <b>Front Section</b>  |  |  |  |  |  |
| <b>Ride height spacer front</b>   |  | mm   |  |  |  |
| <b>Upper arm mount</b>  |  | 3°   |  | 6° 9°  |  |
| <b>Front lower arm lenght</b><br> long<br>short  |  | <b>Front end</b><br> Ride height _____ mm<br>Chamber _____ °<br>Toe _____ °                             |  |  |  |
| <b>Front upper arm</b><br> long<br>short   |  | <b>Front springs</b><br> thin (0.45mm)<br>default (0.50mm)<br>thick (0.55mm)<br>spring preload _____ mm |  |  |  |
| <b>Caster</b><br> mm<br>mm   |  | <b>Ackerman shims</b><br> mm   |  |  |  |
| <b>Middle section</b>   |  |  |  |  |  |
| <b>Shocks</b><br>  |  | <b>Main shock</b><br>Oil (W/Cst)<br>Insert 2 holes 3 holes<br>Spring blue (soft) red (hard)  |  |  |  |
|   |  | <b>Lateral shock</b><br>Oil (W/Cst)<br>Insert 2 holes 3 holes  |  |  |  |
| <b>Battery mount</b><br> rear  |  |  front  |  |  |  |
| <b>Tweak Board &amp; Station</b><br> Slider poistion _____ mm<br>Blade Position _____ mm |  | <b>Overall tweak</b><br> soft _____ hard   |  |  |  |
| <b>T-bar</b>  |  | soft   |  | hard   |  |
| <b>Rear section</b>   |  |  |  |  |  |
| <b>Ride height</b> _____ mm   |  | <b>Differential</b><br> soft _____ hard  |  |  |  |
| <b>Excenter insert rear</b> _____ mm<br>normal<br>upside down   |  |  |  |  |  |
| <b>Motor pod droop</b> _____ mm   |  | <b>Diff. Balls</b> normal  |  | ceramic                                      |  |
| <b>Rim offset</b> _____ mm  |  | <b>Diff. Plates</b> normal   |  | tuning                                       |  |



## Setup Sheet for Serpent S120 1:12th pan car



### Tyres

| Tyre front      |     | Tyre rear       |     |
|-----------------|-----|-----------------|-----|
| Made            |     | Made            |     |
| Shore           | SH  | Shore           | SH  |
| Diameter        | mm  | Diameter        | mm  |
| 8-min wear      | mm  | 8-min wear      | mm  |
| adhesive        |     | adhesive        |     |
| adhesive time   | min | adhesive time   | min |
| treated surface |     | treated surface |     |

### Transmission

| Spur Gear                                  | Pinion Gear                                | Calculated rollout                    |   |
|--|--|---------------------------------------|---|
| $R_o = \frac{(D \times \pi)}{(T_2 / T_1)}$ | $T_1 = \frac{T_2}{[(D \times \pi) / R_o]}$ | $D = \frac{[R_o * (T_2 / T_1)]}{\pi}$ | $T_2 = T_1 \times [(D \times \pi) / R_o]$ |
| Ro - rollout                               | T1 - pinion gear                           | T2 - spur gear                        | D - rear tyre diameter                    |

### Motor

|          |           |                |
|----------|-----------|----------------|
| Made     |           | Turns          |
| Type     |           | Rotor diameter |
| brushed  | brushless | Timing         |
| sintered | bonded    |                |

### ESC

|                 |               |
|-----------------|---------------|
| Made            |               |
| Type            |               |
| Forward/Reverse | Forward/Brake |
| Drag brake      |               |

### Track

|         |         |           |       |
|---------|---------|-----------|-------|
| Surface | asphalt | carpeet   |       |
| Layout  | open    | technical | mixed |
| Grip    | low     | medium    | high  |

### Results

|               |          |         |
|---------------|----------|---------|
| Qualifikation | Besttime | Laptime |
|               | Position | Laps    |
| Final         | Besttime | Laptime |
|               | Position | Laps    |

### Remarks