

## “Rally Cars Slotting”

### Rally Cars Slotting Specific rules & guidance.

|   | Event 1                                | Event 2                               | Event 3                               | Event 4                               |
|---|--|---------------------------------------|---------------------------------------|---------------------------------------|
| Event Specific Requirements                     | Monte Carlo Rally pre 66               | Class B Rally Cars (1982-1987)        | Grand Touring Rally (1966-1989)       | World Rally Cars 1997-to date         |
| Track Clearance chassis and motor (Minimum)     | *1.5mm                                 | 1.5mm                                 | 1.5mm                                 | 1.5mm                                 |
| Front Wheels & Tyres                            | Minimum Diam 18mm. Minimum width 5mm   | Minimum Diam 17mm. Minimum width 6mm  | Minimum Diam 17mm. Minimum width 5mm  | Minimum Diam 17mm. Minimum width 6mm  |
| Rear Wheels and Tyres<br>(Under 2litre cars **) | Minimum Diam 19mm. Maximum width 8.5mm | Minimum Diam 19mm. Maximum width 12mm | Minimum Diam 19mm. Maximum width 10mm | Minimum Diam 19mm. Maximum width 12mm |
| Maximum Rear axle width across tyres            | 58mm                                   | 62mm                                  | 60mm                                  | 62mm                                  |
| Car Class Permitted                             | A , B, D                               | A, B, C                               | A, B, C                               | A, B                                  |

\* Track clearance for Brass & wire chassis models 2mm.

\*\* Concession -In the case of models defined as “Under 2 litre cars” (17mm wheel/Tyre diameter wheels fitted to all 4 wheels will be allowed)

Guide blades must be maximum 6mm Flag depth (without braids) , max thickness 1.5mm, and max length 20mm. It is recommended that the guide blade does not protrude more than a few mm in front of the Guide post (otherwise the car may not negotiate the Round course). It is recommended to fit guides with suspension. Cars can also be fitted with motor pod suspension.

### Slotting Rally Car -Class Specific Rules (Class A, B & C )

**Class A** - Standard RTR Car (Scalex, SCX, Ninco, Fly, Pioneer or Policar) No modifications allowed apart from braids, guides and tyres, front axles can be stabilised as long as the chassis remains unaltered.

**Class B**- Modified Cars - any Class A bodied Car which has been modified in regard to chassis, motor, interior or spares in addition to the allowances made in Class A (The Class A body must remain unmodified). Scratch build cars will also be allowed into this class including Resin or 3d printed bodies, also 3d printed, Slot it HRS2, Scaleauto RT or MRRC universal chassis), but no Class C modified cars (cars with Class C body shell).

**Class C**- Pro RTR or modified Class C bodied cars (Team Slot, Avant, SRC, NSR, MSC, Scaleauto, Slot it, Spirit or Powerslot). 3d printed and slot it HRS2 or Scaleauto RT or MRRC Universal Chassis are allowed.

**Class D** – Scratch build cars which have been built with Brass & Wire or Nickel Etched Silver (PP) chassis.

## **General**

- G1) Cars must be 1/32 scale models of 1:1 rally cars.
- G2) All parts must be commercially available.
- G3) Cars may be driven by two or four wheel drive.
- G4) No traction magnets allowed.
- G5) Ballast may be added but must be inside the car.
- G6) It is expected that cars will be fully decorated inside and out with an appropriate rally livery.

## **Bodies, Windows and Interiors**

- B1) Cars must start and finish each stage with matching body, windows and interior.
- B2) Bodies must be fully detailed and painted hard plastic mouldings (inc Resin, Fibreglass or 3D printed) but must remain in scale. Vac formed or Lexan bodies are not allowed
- B3) Minor bodywork trims and details such as mirrors, spotlights and aerials may be omitted.
- B4) Interior must have driver and co-driver figures.
- B5) Class B, C & D cars Interiors may be a lightweight alternative. Replacement interiors must be painted.
- B6) Any factory fitted interior is legal.

## **Chassis, Drop Arms and Motor Pods**

- C1) Class A cars must be standard as supplied chassis/ droparms or motor pods
- C2) Class A, B, C or D cars May be lightly trimmed to allow body rock.
- C3) Class B, or C cars must be made of moulded or 3D printed plastic.
- C4) Class D cars must be based on Brass & Wire and have 2mm track clearance  
No Steel or Lexan chassis.

## **Motors**

- M1) Class A cars must be fitted with the original or replacement motor of the same brand and spec motor as supplied. In the case of Ninco's a car fitted with a lower spec NC-1 motor can be substituted with an NC-2 or NC-9. Maximum 18,000 rpm at 12 volts.
- M2) Class B & C car Motors are of free choice but must be of Small Can, Short Can, Long Can, Flat Can, slimline or RX construction. Maximum 25,000 rpm at 12volts.
- M3) Class A, B & C car Motors must not be modified from manufacturer's specification.
- M4) Motors can be mounted in any configuration.
- M5) Motors must not protrude below the chassis.
- M6) Motors must not exhibit excessive magnet traction. *All cars will be tested on a*

*SRC UMS Precision Instrument for measuring magnetic attraction to metal rails. e.g., Avant 20103, MB Dodo and BRM 23k S-Bell, or Super Evo.*

### **Wheels and Tyres**

W1) Wheels and tyres must not protrude beyond body.

W2) All wheels must have appropriate style inserts fitted at the start of each stage or alternatively they can be machined wheels including (hubcap) insert design

W3) All wheels must have tyres.

W4) Tyres must be made of black rubber.

W5) Tyres may be trued, glued and coated, but must be dry to the touch at the start of each stage

W6) All four wheels must remain in contact with the track surface.

### **Spares**

S1) Class A car components apart from braids, wires, guide shoes and tyres must remain as standard. Lights may be removed.

S2) Class B, C or D cars. All other components, (e.g., braids, eyelets, guides, wires, pinions, crowns, axles, stoppers, screws, nuts, springs, weights, lights, lubricants, paints and decals) are free choice.

### **Performance related rules infringement Penalties – Rally Style**

Event Specific Requirements- all the listed requirement are mandatory and infringements are subject to a time penalty (based on proportional %deviation from the rule) for each violation type to be added at the end of the series by the RoadRace Administrator

Car Class Rules – Motor, wheel, tyre, chassis, track clearance, infringements subject to a time penalty (based on proportional %deviation from the rule) for each violation type to be added at the end of the Series by the RoadRace Administrator.

### **Non Performance related infringement Penalties**

Cosmetic failures- lack of wheel inserts, failure to comply with cockpit requirements, lack of Rally decals etc will be subject to a 1% time penalty for each violation type to be added at the end of the series by the RoadRace Administrator.

*The Scrutineer will apply a reasonable tolerance regarding measurement of soft tyre diam/widths, but tyres which are obviously oversize will be penalised.*



